FEDERAL ITEM IDENTIFICATION GUIDE

AIRCRAFT AND VEHICULAR STEERING, AXLE, WHEEL, AND TRACK COMPONENTS

This Reprint replaces FIIG T307, dated July 7, 2006.

Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ADJUSTING SLEEVE, TIE ROD STEERING	37413	MA

An item specifically designed to regulate toe-in and toe-out alignment in a steering linkage system.

ARM, STEERING GEAR	10854	KA

The portion of a steering mechanism that connects the sector shaft to the tie rod(s) or drag link.

DRAG LINK, STEERING	19163	MA

An item designed to form a connection and to transmit linear motion, either directly or indirectly, between the steering gear arm and the steering knuckle arms of a vehicle. See also TIE ROD, STEERING.

DRAG LINK-TIE ROD	35960	MA

An item designed to form a connection or link either direct or indirectly between the steering gear arm and the knuckle arms of a vehicle. It is used to transmit linear motion, to maintain alignment of the wheels, and to facilitate steering of the vehicle.

KINGPIN, WHEEL SPINDLE	41830	NA

A hardened metal pin, with or without a head designed to provide articulation between a stub axle and an axle-beam or a steering head to permit vehicular steering. It may be grooved, slotted, or threaded to accommodate a locking device and may have lubrication facilities. Excludes PIN, STRAIGHT, HEADLESS; PIN, STRAIGHT, HEADED; PIN, GROOVED, HEADLESS; PIN, GROOVED, HEADED; and PIN, TAPERED, THREADED.

PITMAN ARM, STEERING, VEHICULAR	36506	KA
PLUG, ADJUSTING, BALL STUD	18541	QA

A headless, externally threaded item usually slotted in one end to facilitate turning and to accommodate a locking device. The opposite end may be flat, concave or drilled to mate with a tension spring, bearing, ball or ball seat. It is designed to adjust tension and secure in position the ball stud of a steering tie rod end, drag link end and/or other connectors of this type.

RIM, WHEEL, PNEUMATIC TIRE	17940	CA

A circular metal item designed to mount on a WHEEL, PNEUMATIC TIRE to support and retain the tire. It may be one piece or it may include a RING, LOCK, AUTOMOTIVE WHEEL; RING, SIDE, AUTOMOTIVE WHEEL; or RING, SIDE AND LOCK, AUTOMOTIVE WHEEL. For items with provisions for mounting on a separate hub capable of turning on a central axis, see WHEEL (as modified).

Approved Item Name	INC	App Key
RING, BEVEL, AUTOMOTIVE WHEEL	32654	BA

A ring shaped item of metal or rubber, designed to be inserted between the tire rim bed and tire base. It is designed to equalize a sloping tire rim bed.

RING, LOCK, AUTOMOTIVE WHEEL	10968	BA

A one-piece metal device designed to fit a matching groove in the outer edge of a wheel or wheel rim for holding the side ring in position. It may be split.

RING, SIDE AND LOCK, AUTOMOTIVE WHEEL	10970	BA

A two-piece metal device consisting of a side ring and matching lock ring, usually loosely riveted together which is designed to fit the outer circumference of a wheel or wheel rim for positioning and retaining a pneumatic tire.

RING, SIDE, AUTOMOTIVE WHEEL	10969	BA

A one-piece metal device designed to fit the outer circumference of a wheel or wheel rim. It is held in position by a locking ring or has self-locking features for positioning and retaining a pneumatic tire. It may also be split and/or held by bolts and studs.

STEERING BAR, AIRCRAFT	06397	GA

A pole or bar-like attachment used to guide a vehicle. Excludes TOWBAR, AIRCRAFT.

STEERING GEAR	19540	JA

An item designed to transmit motion from the steering wheel to the steering linkage. It may include the steering wheel, steering arm and/or an integral air or hydraulic assist mechanism. It is used on power boats and motor vehicles. See also STEERER, MECHANICAL, HAND OPERATED. Excludes STEERING GEAR, ELECTROHYDRAULIC, MARINE.

STEERING WHEEL	10244	HA

A spoked wheel, specifically designed to be attached to the top of a steering column, by means of which the steering gear is operated.

TIE ROD END, STEERING	15952	LA

A metal device designed to provide a swiveling connection between a tie rod and arm of an automotive steering mechanism.

TIE ROD, STEERING	19164	MA

An item designed to form a connection or link, either directly or indirectly between the steering knuckle arms. It is used to maintain alignment of the wheels and to facilitate steering of the vehicle. See also DRAG, LINK, STEERING.

Approved Item Name	INC	App Key
TORQUE ROD, TANDEM AXLE	10855	FA

A metal device designed to insure correct spacing and alignment of truck and trailer axles.

TORSION BAR, CLUTCH	47990	RA

A straight metal item having a solid or tubular/circular cross section with serrations, flats, or the like on each end. It is designed to withstand a severe twisting action along its longitudinal axis while being held fast at the ends. It is used in heavy duty marine type clutches. Excludes TORSION BAR, SUSPENSION.

TORSION BAR, SUSPENSION	21827	RA

A straight metal item having a solid or tubular circular cross section with serrations, flats, or the like, on each end. It is designed to withstand a severe twisting action along its longitudinal axis, while held fast at the ends. It is used in the suspension system of a vehicle to absorb road shock. See also TORQUE ROD, TANDEM AXLE.

WEIGHT, WHEEL BALANCING	13120	DA

A metal item designed to dynamically and statically balance the pneumatic tired wheels of a vehicle. The weight is usually attached to the rim by means of an integral spring steel clip.

Wheel

1. A circular frame on body with an integral or removable hub or with a hub pilot hole and provisions for mounting on a separate hub capable of turning on a central axis. It is designed to provide a rolling support for a vehicle.

WHEEL (1), LANDING GEAR	08405	AA

A wheel which balances and supports the weight of an airplane when in contact with solid surfaces. Includes wheels with solid molded tires.

WHEEL (1), METAL TIRE	17960	UA

A wheel designed with an integral or removable metal tire. Excludes WHEEL, RAILWAY.

WHEEL (1), PNEUMATIC TIRE	17959	SA

A wheel with an integral or removable rim designed to mount a pneumatic tire. Includes wheels without rims but designed to accommodate pneumatic tire rims. May include tire(s). Excludes WHEEL, LANDING GEAR.

WHEEL (1), SOLID, METALLIC	38088	VB

An item which is cast or molded from various metals, which may be ferrous or nonferrous. It does not have facilities to mount a tire or a rim. For items which have facilities to mount a tire or a rim see WHEEL, PNEUMATIC TIRE; and WHEEL, METAL TIRE.

Approved Item Name	INC	App Key
WHEEL (1), SOLID NONMETALLIC	26181	VA

A wheel which is cast or molded from a material other than metal. It may have a tread but does not have facilities to mount a tire or a rim. For items which have facilities to mount a tire or a rim see WHEEL, SOLID RUBBER TIRE; WHEEL, PNEUMATIC TIRE, and WHEEL, METAL TIRE.

WHEEL (1), SOLID RUBBER TIRE	17961	TA

A wheel with an integral or removable rim having or designed to mount a solid rubber tire.

APPLICABILITY KEY INDEX

	AA
NAME	X
MATL	X
CDDJ	X
AGEC	X
CDDK	X
BYDT	AR
BDDY	AR
BDFN	AR
CDLN	AR
CDLP	AR
ABXV	AR
CDDL	AR
CDDM	AR
CDLQ	AR
CDLR	AR
CNHZ	AR
FEAT	AR
TEST	AR
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ZZZX	AR
ZZZY	AR
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APTD	X
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AJSD	AR
CDMQ	AR
ABMK	AR
ABKW	AR
AKYJ	AR
FEAT	AR
TEST	AR
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CNJD	X
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CNJH	AR
CNJJ	AR
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AJUP	AR
ABGA	AR
ABGF	AR
ABMK	AR
AEUA	AR
AGFF	AR
BNPQ	AR
CFHZ	AR
CFJB	AR
CFJC	AR
CFJD	AR
CNSN	AR
CNSP	AR
CNSQ	AR
CNSR	AR
CFJF	AR
AXPR	AR
ACXD	AR
AARX	AR
AAZT	AR
ABKW	AR
BQYZ	AR
AARX	AR
AAZT	AR
ABKW	AR
ABNM	AR
BQYZ	AR
AARX	AR
AAZT	AR
ABKW	AR
BQYZ	AR
CFJG	AR
AXHR	AR

CNSS	AR
CDMC	AR
BFYT	AR
BCNX	X
CFJH	X
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CXQW	AR
ABHP	AR
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CHSZ	AR
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CHTD	AR
CHTF	AR
CHTG	AR
CHTH	AR
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CHTK	AR
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AWJQ	AR
BYDT	AR
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BDFN	AR
ADUV	AR
AHEG	AR
ABTJ	AR
ABTB	AR
AFFL	AR
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ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AGAV	AR
CBME	AR
SUPP	AR
ZZZV	AR

	TA
NAME	X
ALDK	X
APGF	X
AWKJ	AR
CNJG	AR
CNJH	AR
CNJJ	AR
MATL	X
ATGL	X
CFJK	AR
CFJL	AR
CFJM	AR
BCDX	AR
CFJB	AR
CHSN	AR
CFHR	X
CHSP	AR
ALRE	AR
AAGC	AR
AJXE	AR
CHSQ	AR
CHSR	AR
CFJH	X
ASBL	AR
CXQW	AR
ABHP	AR
CHSX	AR
CHSY	AR
CHSZ	AR
CHTB	AR
CHTC	AR
CHTD	AR
CHTF	AR
CHTG	AR
CHTH	AR
CHTJ	AR
CHTK	AR
CFRY	AR
AWJQ	AR
BDDY	AR
BYDT	AR
BDFN	AR
ADUV	AR
AHEG	AR
ABTJ	AR
ABTB	AR
AFFL	AR
CHSS	AR
CFHW	X
ABTC	AR
CFHX	AR
FEAT	AR
TEST	AR

SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AGAV	AR
CBME	AR
SUPP	AR
ZZZV	AR

	UA
NAME	X
ALDK	X
APGF	X
AWKJ	AR
CNJG	AR
CNJH	AR
CNJJ	AR
MATL	X
AJUP	X
ABGA	AR
ABGF	AR
ABMK	AR
AEUA	AR
AGFF	AR
BNPQ	AR
CHST	X
CXQW	X
ABHP	AR
CHSX	AR
CHSY	AR
CHSZ	AR
CHTB	AR
CHTC	AR
CHTD	AR
CHTF	AR
CHTG	AR
CHTH	AR
CHTJ	AR
CHTK	AR
CFRY	X
AWJQ	X
BDDY	AR
BYDT	AR
BDFN	AR
ADUV	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
ELCD	AR
AGAV	AR
CBME	AR
SUPP	AR
ZZZV	AR

	VA	VB
NAME	X	X
ALDK	X	X
MATL	X	X
ABKV	X	X
ABMK	X	X
CCBH	X	
CHSW	X	
AAGC	X	
CXQW	X	X
ABHP	AR	AR
CHSX	AR	AR
CHSY	AR	AR
CHSZ	AR	AR
CHTB	AR	AR
CHTC	AR	AR
CHTD	AR	AR
CHTF	AR	AR
CHTG	AR	AR
CHTH	AR	AR
CHTJ	AR	AR
CHTK	AR	AR
AWJQ	X	X
BDDY	AR	AR
BYDT	AR	AR
CFRY	X	X
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ENAC	AR	AR
ELRN	AR	AR
ELCD	AR	AR
AGAV	AR	AR
CBME	AR	AR
SUPP	AR	AR
ZZZV	AR	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED08405*)		
ALL			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDAL0000*; MATLDAL0000$$DMGA000*; MATLDAL0000$DMGA000*)		
ALL			
	CDDJ	D	TIRE DESIGN TYPE
	Definition: INDICATES THE DESIGN TYPE OF THE TIRE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., CDDJDAKW*; CDDJDAKW$$DDZH*)		
ALL			
	AGEC	D	TIRE SIZE
	Definition: DESIGNATES THE SIZE BY WHICH THE TIRE IS COMMERCIALLY KNOWN AND DESIGNATED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., AGEXDAAMB*)		
ALL			

APP Key	MRC	Mode Code	Requirements
	CDDK	D	BRAKING FEATURE FOR WHICH DESIGNED

Definition: AN INDICATION OF THE BRAKING FEATURE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDDKDDZP*)

REPLY CODE	REPLY (AK54)
DZP	EXTERNALLY MOUNTED BRAKES
DZQ	INTERNALLY MOUNTED BRAKES
DZR	WITHOUT BRAKES

NOTE FOR MRCS BYDT, BDDY, BDFN, CDLN, CDLP, CDLQ, AND CDLR: IF REPLY CODE DZP IS ENTERED FOR MRC CDDK, REPLY TO MRCS CDLQ AND CDLR. IF REPLY CODE DZQ IS ENTERED FOR MRC CDDK, REPLY TO MRCS BYDT, BDDY, BDFN, CDLN, CDLQ, AND CDLR. IF REPLY CODE DZR IS ENTERED FOR MRC CDDK, REPLY TO MRC CDLP. FOR TWO OR MORE DIFFERENT BEARINGS, USE IDENTIFIED SECONDARY ADDRESS CODING (I/SAC) FOR MRCS BYDT, BDDY, BDFN AND CDLN, ENTERING IN DESCENDING INSIDE DIAMETER SEQUENCE.

ALL* (See Note Above)

	BYDT	D	BEARING TYPE

Definition: INDICATES THE TYPE OF THE BEARING PROVIDED.

Reply Instructions: Enter the applicable I/SAC Code from Table below, followed by Mode Code, and applicable Reply Code from Appendix A , Table 3, in descending inside diameter sequence. (e.g.,

BYDT1ADAE*

BYDT1BDAY*)

REPLY CODE	REPLY (0074)
1A	FIRST POSITION
1B	SECOND POSITION
1C	THIRD POSITION

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC BYDT)

BDDY A BEARING QUANTITY

Definition: THE NUMBER OF BEARINGS PROVIDED ON THE ITEM.

Reply Instructions: Enter the applicable I/SAC Code from the Table below, followed by the Mode Code, and the quantity, in descending inside diameter sequence. (e.g.,

BDDY1AA1*

BDDY1BA1*)

REPLY CODE	REPLY (0074)
1A	FIRST POSITION
1B	SECOND POSITIO
1C	THRID POSITION

ALL* (See Note Preceding MRC BYDT)

BDFN J BEARING INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BEARING, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC Code from Table 1 below, followed by the Mode Code, and the Reply Codes from Tables 2 and 3 below, followed by the numeric value, in descending inside diameter sequence. (e.g., BDFN1AJLA15.5*; BDFN1AJAA2.000*; BDFN1BJAB3.600$$JAC3.625*)

Table 1

REPLY CODE	REPLY (0074)
1A	*FIRST POSITION*
1B	*SECOND POSITION*
1C	THIRD POSITION

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note PRECEDING MRC BYDT)

CDLN D BEARING LOCATION

Definition: INDICATES THE LOCATION OF TGE BEARING(S) ON THE ITEM.

Reply Instructions: Enter the applicable I/SAC Code from Table 1 below, followed by the Mode Code, and the Reply Codes from Table 2 below, in descending inside diameter sequence. (e.g., CDLN1ADCMW*; CDLN1BDCMT*)

REPLY CODE	REPLY (0074)
1A	FIRST POSITION
1B	SECOND POSITION
1C	THIRD POSITION

REPLY CODE	REPLY (AJ91)
CMT	INBOARD HALF
CMW	OUTBOARD HALF

ALL* (See Note Preceding MRC BYDT)

CDLP D AXLE BORE TYPE

Definition: INDICATES THE TYPE OF AXLE BORE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDLPDAB*)

REPLY CODE	REPLY (AL72)
A	ANY ACCEPTABLE
AB	STRAIGHT
AC	TAPERED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS ABXV, CDDL, AND CDDM: IF REPLY CODE AB IS ENTERED FOR MRC CDLP, REPLY TO MRC ABXV. IF REPLY CODE AC IS ENTERED FOR MRC CDLP, REPLY TO MRCS CDDL AND CDDM.

ALL* (See Note Above)

ABXV J BORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXVJAA1.675*; ABXVJLA9.8*; ABXVJAB1.650$$JAC1.700*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABXV)

CDDL J INNER BEARING CONE INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN INNER BEARING CONE, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value for the inboard bearing cone or bushing. (e.g., CDDLJAA3.500*; CDDLJLA12.5*; CDDLJAB3.450$$JAC3.550*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABXV)

CDDM	J	OUTER BEARING CONE INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN OUTER BEARING CONE, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value for the outboard bearing or bushing. (e.g., CDDMJAA5.125*; CDDMJLA10.5*; CDDMJAB5.100$$JAC5.150*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYDT)

CDLQ	D	BRAKE

Definition: AN INDICATION OF WHETHER OR NOT A BRAKE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDLQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC BYDT)

CDLR D BRAKE DRUM

Definition: AN INDICATION OF WHETHER OR NOT A BRAKE DRUM(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDLRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC CNHZ: IF REPLY CODE B IS ENTERED FOR MRC CDLR, REPLY TO MRC CNHZ.

ALL* (See Note Above)

CNHZ A BRAKE DRUM QUANTITY

Definition: THE NUMBER OF BRAKE DRUMS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., CNHZA2*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED09668*)

ALL			
	AAGR	L	CROSS-SECTIONAL SHAPE STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE CROSS-SECTIONAL SHAPE OF THE ITEM.

Reply Instructions: Enter the applicable group designator, followed by the style number from Appendix B , Reference Drawing Group C, D, E, or F. (e.g., AAGRLC1*)

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDDZY*)

REPLY CODE	REPLY (AK54)
DZS	ENDLESS BOLTED
DZT	ENDLESS PLAIN
DZW	ENDLESS SNAP-ON
DZX	SPLIT SNAP-ON
DZY	TWO-PIECE CLIP
DZZ	TWO-PIECE RIVETED

NOTE FOR MRCS ASXK, AAUB, AND ALXY: IF REPLY CODE DZS IS ENTERED FOR MRC APGF, REPLY TO MRCS ASXK, AAUB, AND ALXY. FOR DIFFERENT SIZE HOLES, USE AND ($$) CODING FOR MRCS ASXK AND AAUB, ENTERING IN ASCENDING QUANTITY SEQUENCE.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

ASXK A HOLE QUANTITY

Definition: THE NUMBER OF HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ASXKA3*;

ASXKA8$$A24*)

ALL* (See Note Preceding MRC ASXK)

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC ASXK. (e.g., AAUBJAA0.375*; AAUBJLA0.8*; AAUBJAB0.370$$JAC0.380*;

AAUBJAA0.375$$JAB0.245$$JAC0.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ASXK)

ALXY G MOUNTING HOLE SPACING

Definition: THE SPACING BETWEEN THE MOUNTING HOLES.

Reply instructions: Enter the reply in clear text, and in the same sequence as MRC ASXK.

(e.g., ALXYGEQUALLY SPACED ON A 14-5/16 IN. BOLT CIRCLE*)

APP Key	MRC	Mode Code	Requirements
ALL			
	AJXE	A	SIZE DESIGNATOR
	Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.		
	Reply Instructions: Enter the size. (e.g., AJXEA20X7*)		
ALL			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$DST0000*)		
ALL*			
	SURF	D	SURFACE TREATMENT
	Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., SURFDCD0000*; SURFDCD0000$DPN0000*)		
ALL*			
	CDLS	A	VALVE CLEARANCE NOTCH QUANTITY
	Definition: THE NUMBER OF VALVE CLEARANCE NOTCHES PROVIDED.		
	Reply Instructions: Enter the quantity. (e.g., CDLSA2*)		
ALL			
	CDLT	D	LEVERAGE SLOT
	Definition: AN INDICATION OF WHETHER OR NOT A LEVERAGE SLOT IS INCLUDED.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDLTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ABGC AND AADJ: IF REPLY CODE B IS ENTERED FOR MRC CDLT, REPLY TO MRCS ABGC AND AADJ.

ALL* (See Note Above)

ABGC J SLOT WIDTH

Definition: THE DISTANCE, MEASURED ALONG A STRAIGHT LINE PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE SLOT, FROM ONE EDGE TO THE OTHER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGCJAA1.125*; ABGCJLA8.5*; ABGCJAB1.115$$JAC1.135*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABGC)

AADJ J SLOT DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE SLOT, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AADJJA0.875*; AADJL5.5*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17940*)

ALL			
	CDLX	J	TIRE DIAMETER FOR WHICH DESIGNED

Definition: THE DIAMETER OF THE TIRE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CDLXJA16.000*; CDLXJL52.0*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL			
	STYL	L	STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., STYLL1*)

For items furnished with side lock, or side and lock rings, the rings are not considered when selecting style.

ALL			
	CDLY	D	SPLIT RIM FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SPLIT RIM FEATURE IS INCLUDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDLYDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

CDLZ D INTEGRAL MOUNTING BOLT HOLE LUG

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL MOUNTING BOLT HOLE LUG(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDLZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

CDMB D TIRE RETAINING RING TYPE

Definition: INDICATES THE TYPE OF TIRE RETAINING RING PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMBDPL*)

REPLY CODE	REPLY (AB47)
PJ	LOCK
PK	SIDE
PL	SIDE-LOCK

NOTE FOR MRC ACXD: IF A REPLY IS ENTERED FOR MRC CDMB, REPLY TO MRC ACXD.

ALL* (See Note Above)

ACXD L RING STYLE

APP Key	MRC	Mode Code	Requirements

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE RING.

Reply Instructions: Enter the applicable group designator, followed by the style number from Appendix B , Reference Drawing Group C, D, or E. (e.g., ACXDLC1*)

NOTE FOR MRCS ABTJ AND ABKG: IF STYLE SELECTED FOR MRC AXCD INCLUDES MOUNTING HOLES, REPLY TO MRCS ABTJ AND ABKG.

ALL* (See Note Above)

ABTJ A MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA10*)

ALL* (See Note Preceding MRC ABTJ)

ABKG J BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA11.563*; ABKGJLA25.5*; ABKGJAB11.550$$JAC11.575*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CDMC D VALVE HOLE SHAPE

APP Key	MRC	Mode Code	Requirements

Definition: THE PHYSICAL CONFIGURATION OF THE VALVE HOLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMCDAPL*)

REPLY CODE	REPLY (AD07)
APL	ROUND
ARY	SLOTTED

NOTE FOR MRC BFYT: IF REPLY CODE APL IS ENTERED FOR MRC CDMC, REPLY TO MRC BFYT.

ALL* (See Note Above)

BFYT G HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BFYTGCENTER OF RIM*)

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13120*)

ALL			
	WGHT	J	WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., WGTHJU0.207*; WGTHJA0.1*)

REPLY CODE	REPLY (AB10)
A	GRAMS
U	OUNCES

ALL*			
	AMGN	G	TRADE DESINATION

Definition: THE DESIGNATION BY WHICH THE ITEM IS IDENTIFIED THROUGHOUT INDUSTRY.

Reply Instructions: Enter the reply in clear text.

(e.g., AMGNG1H-5*)

ALL			
	ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDARP*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AH21)
ARP	AIRCRAFT WHEEL
A	ANY ACCEPTABLE
ARQ	SPECIAL PASSENGER CAR WHEEL
ARR	STD PASSENGER CAR WHEEL
ARS	STD TRUCK WHEEL

ALL

CDMD D LIMITED CLEARANCE APPLICATION DESIGN

Definition: AN INDICATION OF WHETHER OR NOT A LIMITED CLEARANCE APPLICATION DESIGN IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

BSNP D SECURING METHOD

Definition: THE MEANS BY WHICH THE ITEM IS SECURED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSNPDBHZ*)

REPLY CODE	REPLY (AM39)
BJA	FASTENING DEVICE
BHZ	SELF-LOCKING

NOTE FOR MRC BZWF: IF REPLY CODE BJA IS ENTERED FOR MRC BSNP, REPLY TO MRC BZWF.

ALL* (See Note Above)

BZWF D FASTENING DEVICE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT A FASTENING DEVICE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BZWFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AXWJ: IF REPLY CODE B IS ENTERED FOR MRC BZWF, REPLY TO MRC AXWJ.

ALL* (See Note Above)

AXWJ D FASTENING DEVICE TYPE

Definition: INDICATES THE TYPE OF FASTENING DEVICE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXWJDAB*; AXWJDAB$$DHW*)

REPLY CODE	REPLY (AE36)
AB	BOLTS
HW	CHECK NUT
HX	LOCK NUT
HY	LOCK WASHER
GN	NUT
FB	SCREW
GE	SETSCREW

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10855*)

ALL			
	APCS	D	ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCSDA*)

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE
C	NONADJUSTABLE

NOTE FOR MRC CDMM: IF REPLY CODE A IS ENTERED FOR MRC APCS, REPLY TO MRC CDMM.

ALL* (See Note Above)			
	CDMM	B	ROD END RELATIVE ANGULAR POSITION IN DEG

Definition: A MEASUREMENT OF THE RELATIVE POSITION OF THE ROD END(S), EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., CDMMB180.0*)

ALL			
	ABMZ	J	DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.875*; ABMZJLA5.0*; ABMZJAB0.870$$JAC0.880*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AEJN	J	DISTANCE BETWEEN MOUNTING FACILITY CENTERS

Definition: THE DISTANCE BETWEEN MOUNTING FACILITY CENTERS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJNJAA18.375*; AEJNJLA75.5*; AEJNJAB18.250$$JAC18.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	APTD	D	END TYPE

Definition: INDICATES THE TYPE OF END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APTDDAFF*; APTDDAFD$$DAFE*)

REPLY CODE	REPLY (AK84)
AFD	BALL STUD
AFE	CLEVIS
AFF	ROD CONNECTOR

NOTE FOR MRCS CDMN, ABND, ABQB, CTKF, ABUJ, AJYP, AAJF, AASA, CDMP, ACXU, AKYX, AJSD, CDMQ, ABMK, ABKW, AND AKYJ: IF REPLY CODE AFD IS ENTERED FOR MRC APTD, REPLY TO MRCS CDMN, ABND, ABQB, CTKF, ABUJ, AJYP, AAJF, AND AASA. IF REPLY CODE AFE IS ENTERED FOR MRC APTD, REPLY TO MRCS CDMP, ACXU, AKYX, AND AJSD. IF REPLY CODE AFF IS ENTERED FOR MRC APTD, REPLY TO MRCS CDMQ, ABMK, ABKW, AND AKYJ.

ALL* (See Note Above)

CDMN D BALL STUD LOCATION

Definition: INDICATES THE LOCATION OF THE BALL STUD ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMNDAHL*)

REPLY CODE	REPLY (AJ91)
AHH	BOTH ENDS
AHL	ONE END

ALL* (See Note Preceding MRC CDMN)

ABND J TAPER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TAPERED PORTION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNDJAA2.875*; ABNDJLA9.8*; ABNDJAB2.870$$JAC2.880*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

ABQB J TAPER MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CIRCULAR CROSS SECTION OF THE TAPERED PORTION, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABQBJAA1.125*; ABQBJLA7.5*; ABQBJAB1.120$$JAC1.130*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

CTKF J TAPER

Definition: THE AMOUNT OF TAPER OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CTKFJQA1.000*; CTKFJSA25.4*; CTKFJQB0.995$$JQC1.005*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AB39)
Q	PER FOOT IN INCHES
S	PER METER IN MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the size.

(e.g., ABUJA5/8-16*)

ALL* (See Note Preceding MRC CDMN)

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AJYPDNF*)

ALL* (See Note Preceding MRC CDMN)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAL*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC CDMN)

AASA J THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF THREADS, INCLUDING INCOMPLETE THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AASAJAA1.125*; AASAJLA5.0*; AASAJAB1.115$$JAC1.135*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

CDMP D CLEVIS LOCATION

Definition: INDICATES THE LOCATION OF THE CLEVIS ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMPDAHH*)

REPLY CODE	REPLY (AJ91)
AHH	BOTH ENDS
AHL	ONE END

ALL* (See Note Preceding MRC CDMN)

APP Key	MRC	Mode Code	Requirements
	ACXU	J	PINHOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PINHOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACXUJAA0.625*; ACXUJLA1.5*; ACXUJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

	AKYX	J	FORK DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE FORK, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AKYXJAA8.500*; AKYXJLA12.5*; AKYXJAB8.475$$JAC8.525*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP
Key MRC Mode Code Requirements

ALL* (See Note Preceding MRC CDMN)

AJSD J FORK SPAN WIDTH

Definition: THE DISTANCE LATERALLY FROM TIP TO TIP OF THE FORK.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJSDJAA1.375*; AJSDJLA15.0*; AJSDJAB1.365$$JAC1.385*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

CDMQ D ROD CONNECTOR LOCATION

Definition: INDICATES THE LOCATION OF THE ROD CONNECTOR ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMQDAHL*)

REPLY CODE	REPLY (AJ91)
AHH	BOTH ENDS
AHL	ONE END

ALL* (See Note Preceding MRC CDMN)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA3.000*; ABMKJLA9.8*; ABMKJAB2.950$$JAC3.050*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA8.5*; ABKWJAB2.475$$JAC2.525*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CDMN)

AKYJ J PIVOT PIN HOLE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PIVOT PIN HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AKYJJAA1.250*; AKYJJAB1.245$$JAC1.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED06397*)

ALL			
	ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDART*; ALBYDART$$DARW*)

REPLY CODE	REPLY (AH21)
ART	NOSE WHEEL
ARW	TAIL WHEEL

ALL			
	ADQF	D	HANDLE TYPE

Definition: INDICATES THE TYPE OF HANDLE DESIGNED TO BE ATTACHED TO OR THROUGH AN ITEM FOR THE PURPOSE OF OPENING, LIFTING, CLOSING, OR THE LIKE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADQFDAJ*)

REPLY CODE	REPLY (AC55)
GX	GRIP WITH EYE
AM	LOOP
AJ	TEE

ALL

APP Key	MRC	Mode Code	Requirements
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA145.375*; ABHPJLA250.0*; ABHPJAB145.000$$JAC145.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA21.875*; ABMKJLA98.5*; ABMKJAB21.500$$JAC22.125*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	BXFZ	A	AIRCRAFT FOR WHICH DESIGNED

Definition: AN INDICATION OF THE AIRCRAFT FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the designator.

(e.g., BXFZAMODEL F-51*)

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10244*)		
ALL			
	CNJB	D	RIM MATERIAL TYPE
	Definition: INDICATES THE TYPE OF MATERIAL USED FOR THE RIM.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., CNJBDAAXG*; CNJBDAAXG$DAAXH*; CNJBDAAXG$$DAATY*)		
ALL			
	CNJC	D	SPOKE MATERIAL TYPE
	Definition: INDICATES THE TYPE OF MATERIAL USED FOR THE SPOKE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., CNJCDAARU*; CNJCDAAXG$DAAXH*; CNJCDAAXG$$DAATY*)		
ALL			
	CNJD	D	HUB MATERIAL TYPE
	Definition: INDICATES THE TYPE OF MATERIAL USED FOR THE HUB.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., CNJDDAAWF*; CNJDDAATY$$DAAXN*; CNJDDAATY$DAAXN*)		
ALL			
	ABKV	J	OUTSIDE DIAMETER
	Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA18.375*; ABKVJLA58.0*; ABKVJAB18.250$$JAC18.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AWKJ A SPOKE QUANTITY

Definition: THE NUMBER OF SPOKES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AWKJA4*)

ALL

ACHY D MOUNTING HOLE TYPE

Definition: INDICATES THE TYPE OF HOLES PROVIDED IN THE ITEM TO FACILITATE MOUNTING TO ANOTHER ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACHYDC*; ACHYDC$$DN*)

REPLY CODE	REPLY (AB68)
C	PLAIN
N	SERRATED
K	TAPERED

NOTE FOR MRCS AAUB, AQWT, AAZL, CTKF, AND ADDW: IF REPLY CODE C IS ENTERED FOR MRC ACHY, REPLY TO MRCS AAUB AND AQWT. IF REPLY CODE K IS ENTERED FOR MRC ACHY, REPLY TO MRCS AQWT, AAZL, AND CTKF. IF REPLY CODE N IS ENTERED FOR MRC ACHY, REPLY TO MRC ADDW.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA1.125*; AAUBJLA9.8*; AAUBJAB1.120$$JAC1.130*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

AQWT D KEYWAY

Definition: AN INDICATION OF WHETHER OR NOT A KEYWAY IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQWTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AEVE, ABRR, AND ABRV: IF REPLY CODE B IS ENTERED FOR MRC AQWT, REPLY TO MRCS AEVE, ABRR, AND ABRV.

ALL* (See Note Above)

AEVE A KEYWAY QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF KEYWAYS CONTAINED IN OR ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AEVEA1*)

NOTE FOR MRC AEVJ: IF THE REPLY TO MRC AEVE IS MORE THAN ONE, REPLY TO MRC AEVJ.

ALL* (See Note Above)

AEVJ B KEYWAY SPACING IN DEG

Definition: A MEASUREMENT OF THE AMOUNT OF TURNING NECESSARY TO BRING ONE KEYWAY INTO COINCIDENCE WITH ANOTHER, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AEVJB30.0*)

ALL* (See Note Preceding MRC AEVE)

ABRR J KEYWAY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEYWAY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRRJAA0.250*; ABRRJLA2.5*; ABRRJAB0.245$$JAC0.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AEVE)

ABRV J KEYWAY DEPTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT FROM THE TOP SURFACE TO THE BOTTOM OF THE KEYWAY GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRVJAA0.125*; ABRVJLA5.0*; ABRVJAB0.120$$JAC0.130*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

AAZL J TAPERED HOLE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST END OF A TAPERED HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZLJAA0.938*; AAZLJLA10.2*; AAZLJAB0.935$$JAC0.940*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

APP Key	MRC	Mode Code	Requirements
	CTKF	J	TAPER

Definition: THE AMOUNT OF TAPER OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CTKFJQA1.000*; CTKFJQB0.990$$JQC1.010*; CTKFJSA25.4*)

Table 1

REPLY CODE	REPLY (AB39)
Q	PER FOOT IN INCHES
S	PER METER IN MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

	ADDW	A	SERRATION QUANTITY

Definition: THE NUMBER OF SERRATIONS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ADDWA36*)

ALL

	CDMT	D	HORN BUTTON RECESS

Definition: AN INDICATION OF WHETHER OR NOT A HORN BUTTON RECESS IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ABMD, ABMH, ABQB, AND ABQA: IF REPLY CODE B IS ENTERED FOR MRC CDMT AND RECESS IS NOT TAPERED, REPLY TO MRCS ABMD AND ABMH. IF REPLY CODE B IS ENTERED FOR MRC CDMT AND RECESS IS TAPERED, REPLY TO MRCS ABMH, ABQB, AND ABQA.

ALL* (See Note Above)

ABMD J RECESS DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE RECESS, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMDJAA2.938*; ABMDJLA12.2*; ABMDJAB2.925$$JAC2.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMD)

ABMH J RECESS DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE RECESS, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMHJAA0.563*; ABMHJLA5.5*; ABMHJAB0.555$$JAC0.57)*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMD)

ABQB J TAPER MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CIRCULAR CROSS SECTION OF THE TAPERED PORTION, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABQBJAA2.625*; ABQBJLA12.8*; ABQBJAB2.600$$JAC2.650*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMD)

ABQA J TAPER MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST CIRCULAR CROSS SECTION OF THE TAPERED PORTION, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABQAJAA2.375*; ABQAJLA9.8*; ABQAJAB2.350$$JAC2.400*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CDMW D STEERING COLUMN TUBE RECESS

Definition: AN INDICATION OF WHETHER OR NOT A STEERING COLUMN TUBE RECESS IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMWDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC ABMZ: IF REPLY CODE B IS ENTERED FOR MRC CDMW, REPLY TO MRC ABMZ.

ALL* (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA2.125*; ABMZJLA14.5*; ABMZJAB2.115$$JAC2.135*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AQNA D GRIP TYPE

Definition: INDICATES THE TYPE OF GRIP ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQNADACA*)

REPLY CODE	REPLY (AL17)
ACA	FINGER
ACB	PLAIN

SECTION: J

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19540*)		
ALL			
	BTCJ	G	GEAR RATIO
	Definition: THE RATIO RELATIONSHIP BETWEEN GEARS.		
	Reply Instructions: Enter the reply in clear text. (e.g., BTCJG23.6 TO 1*)		
ALL			
	APGF	D	DESIGN TYPE
	Definition: INDICATES THE DESIGN TYPE OF THE ITEM.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., APGFDEBD*)		
ALL			
	CDMX	D	POWER ACTUATION DESIGN FEATURE
	Definition: AN INDICATION OF WHETHER OR NOT A POWER ACTUATION DESIGN FEATURE IS INCLUDED.		
	Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMXDB*)		

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AFLW: IF REPLY CODE B IS ENTERED FOR MRC CDMX, REPLY TO MRC AFLW.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

AFLW D ACTUATION METHOD

Definition: THE MEANS BY WHICH THE ITEM IS ACTUATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFLWDAABE*)

REPLY CODE	REPLY (AC58)
AABE	AIR
AABF	HYDRAULIC

ALL

CDMY D STEERING ARM SHAFT END LOCATION

Definition: INDICATES THE LOCATION OF THE STEERING ARM SHAFT END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMYDCNF*)

REPLY CODE	REPLY (AJ91)
CNF	LEFT OF HOUSING
CNG	RIGHT OF HOUSING

ALL

CDMZ D STEERING WHEEL

Definition: AN INDICATION OF WHETHER OR NOT A STEERING WHEEL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMZDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP
Key MRC Mode Code Requirements

NOTE FOR MRC CDNB: IF REPLY CODE C IS ENTERED FOR MRC CDMZ, REPLY TO MRC CDNB.

ALL* (See Note Above)

CDNB D WHEEL SHAFT END TYPE

Definition: INDICATES THE TYPE OF WHEEL SHAFT END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDNBDNZ*)

REPLY CODE	REPLY (AB76)
FS	SERRATED
NY	STRAIGHT-KEYED
NZ	TAPERED-KEYED

NOTE FOR MRCS AAZR, CTKF, AND ABWV: IF REPLY CODE FS IS ENTERED FOR MRC CDNB, REPLY TO MRC AAZR. IF REPLY CODE NY IS ENTERED FOR MRC CDNB, REPLY TO MRC ABWV. IF REPLY CODE NZ IS ENTERED FOR MRC CDNB, REPLY TO MRCS AAZR AND CTKF.

ALL* (See Note Above)

AAZR J MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST DIAMETER OF THE ITEM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. If item is tapered, give dimension of largest end. (e.g., AAZRJAA1.750*; AAZRJLA10.0*; AAZRJAB1.740$$JAC1.760*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AAZR)

CTKF J TAPER

Definition: THE AMOUNT OF TAPER OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CTKFJQA1.000*; CTKFJSA25.4*; CTKFJQB0.995$$JQC1.005*)

Table 1

REPLY CODE	REPLY (AB39)
Q	PER FOOT IN INCHES
S	PER METER IN MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAZR)

ABWV J SHAFT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SHAFT, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABWVJAA0.983*; ABWVJLA2.5*; ABWVJAB0.975$$JAC0.990*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL

CDNC D STEERING WHEEL SHAFT TUBE

Definition: AN INDICATION OF WHETHER OR NOT A STEERING WHEEL SHAFT TUBE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDNCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ABMZ AND CDND: IF REPLY CODE B IS ENTERED FOR MRC CDNC, REPLY TO MRCS ABMZ AND CDND.

ALL* (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA1.938*; ABMZJLA8.0*; ABMZJAB1.930$$JAC1.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABMZ)

CDND	J	DISTANCE FROM TUBE END TO SHAFT THREADED PORTION

Definition: THE DISTANCE FROM THE TUBE END TO THE THREADED PORTION OF THE SHAFT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CDNDJAA1.525*; CDNDJLA6.8*; CDNDJAB1.515$$JAC1.535*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CDNF	D	STEERING ARM

Definition: AN INDICATION OF WHETHER OR NOT A STEERING ARM IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDNFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS CFCS, CDNG, CDNH, BZLH, CDNJ, CDNK, CDNL, AND CDNM: IF REPLY CODE B IS ENTERED FOR MRC CDNF, REPLY TO MRCS CFCS, CDNG, CDNH, BZLH, CDNJ, AND CDNK. IF REPLY CODE C IS ENTERED FOR MRC CDNF, REPLY TO MRCS CDNL AND CDNM.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

CFCS D STEERING ARM TYPE

Definition: INDICATES THE TYPE OF STEERING ARM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFCSDAMN*)

REPLY CODE	REPLY (AK54)
AMM	OFFSET
AMN	STRAIGHT

ALL* (See Note Preceding MRC CFCS)

CDNG D STEERING ARM BALL TURNING DIRECTION

Definition: AN INDICATION OF THE DIRECTION THE STEERING ARM IS DESIGNED TO TURN.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDNGDAAY*)

REPLY CODE	REPLY (AA38)
AAX	AWAY FROM HOUSING
AAY	TOWARDS HOUSING

ALL* (See Note Preceding MRC CFCS)

CDNH G MAXIMUM TRAVEL IN DEG

Definition: THE MAXIMUM DISTANCE THE ITEM IS DESIGNED TO TRAVEL, EXPRESSED IN DEGREES.

Reply Instructions: Enter the reply in clear text. (e.g., CDNHG80 DEGREES, 37 MINUTES*)

ALL* (See Note Preceding MRC CFCS)

BZLH J BALL DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BALL, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZLHJAA1.375*; BZLHJLA12.0*; BZLHJAB1.360$$JAC1.390*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCS)

CDNJ	J	ARM SHAFT CENTERLINE TO BALL STUD CENTERLINE DISTANCE

Definition: THE DISTANCE FROM THE CENTERLINE OF THE ARM SHAFT TO THE CENTERLINE OF THE BALL STUD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CDNJJAA5.250*; CDNJJLA15.6*; CDNJJAB5.225$$JAC5.275*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCS)

CDNK	J	WHEEL SHAFT CENTERLINE TO BALL STUD CENTERLINE DISTANCE

APP Key	MRC	Mode Code	Requirements

Definition: THE DISTANCE FROM THE CENTERLINE OF THE WHEEL SHAFT TO THE CENTERLINE OF THE BALL STUD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CDNKJAA3.125*; CDNKJLA18.4*; CDNKJAB3.100$$JAC3.150*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCS)

CDNL D ARM SHAFT END TYPE

Definition: INDICATES THE TYPE OF ARM SHAFT END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDNLDPA*)

REPLY CODE	REPLY (AB76)
PA	KEYED
FS	SERRATED

ALL* (See Note Preceding MRC CFCS)

CDNM J ARM SHAFT END MAJOR DIAMETER

Definition: THE DIAMETER OF THE OUTERMOST SURFACE OF THE ARM SHAFT END.

Reply Instructions: Enter the applicable Reply Codes from Table 1 and 2 below, followed by the numeric value. If end is tapered, enter largest dimension. (e.g., CDNMJAA1.375*; CDNMJLA8.2*; CDNMJAB1.350$$JAC1.400*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFBN J STEERING ARM SHAFT CENTERLINE TO STEERING WHEEL SHAFT END DISTANCE

Definition: THE DISTANCE FROM THE CENTERLINE OF THE STEERING ARM SHAFT TO THE END OF THE STEERING WHEEL SHAFT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFBNJAA45.125*; CFBNJLA78.3*; CFBNJAB45.000$$JAC45.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFBP J STEERING WHEEL SHAFT CENTERLINE TO STEERING ARM SHAFT END DISTANCE

Definition: THE DISTANCE FROM THE CENTERLINE OF THE STEERING WHEEL SHAFT TO THE END OF THE STEERING ARM SHAFT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFBPJAA5.438*; CFBPJLA25.5*; CFBPJAB5.400$$JAC5.475*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CNHX D HORN CABLE

Definition: AN INDICATION OF WHETHER OR NOT A HORN CABLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CNHXDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

CNHY D HORN BUTTON

Definition: AN INDICATION OF WHETHER OR NOT A HORN BUTTON IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CNHYDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements

SECTION: K

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10854*)

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAMM*)

REPLY CODE	REPLY (AK54)
AMM	OFFSET
AMN	STRAIGHT

ALL			
	CFCC	J	CENTER TO CENTER DISTANCE BETWEEN BALL/BALL STUD HOLE AND SECTOR SHAFT BORE

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE BALL AND/OR BALL STUD HOLE AND THE SECTOR SHAFT BORE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCCJAA7.125*; CFCCJLA10.5*; CFCCJAB7.000$$JAC7.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL

CFBR J SECTOR SHAFT MOUNTING END OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE SECTOR SHAFT MOUNTING END, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFBRJAA1.250*; CFBRJLA2.5*; CFBRJAB1.240$$JAC1.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFBS J SECTOR SHAFT MOUNTING END OVERALL THICKNESS

Definition: A MEASUREMENT OF THE OVERALL DIMENSION OF THE SECTOR SHAFT MOUNTING END, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFBSJAA1.000*; CFBSJLA0.5*; CFBSJAB0.995$$JAC1.005*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFBT D SECTOR SHAFT MOUNTING END SERRATED BORE

Definition: AN INDICATION OF WHETHER OR NOT A SECTOR SHAFT MOUNTING END SERRATED BORE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFBTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AJLA, CFBW, CTKF, ABND, AND AXND: IF REPLY CODE B IS ENTERED FOR MRC CFBT AND THE SERRATIONS ARE STRAIGHT, REPLY TO MRCS AJLA AND AXND. IF REPLY CODE B IS ENTERED FOR MRC CFBT AND THE SERRATIONS ARE TAPERED, REPLY TO MRCS CFBW, CTKF, ABND, AND AXND.

ALL* (See Note Above)

AJLA A TEETH QUANTITY

Definition: THE NUMBER OF TEETH INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AJLAA32*)

ALL* (See Note Preceding MRC AJLA)

CFBW J SMALL END MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE LARGEST CIRCULAR SECTION OF THE SMALL END, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFBWJAA1.186*; CFBWJLA26.3*; CFBWJAB1.700$$JAC2.200*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJLA)

ADDX B SERRATION INCLUDED ANGLE IN DEG

Definition: THE DIFFERENCE IN DIRECTION BETWEEN THE TWO SIDES OF ADJOINING SERRATIONS, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., ADDXB74.5*)

ALL* (See Note Preceding MRC AJLA)

CFBX G TEETH CUT ANGLE IN DEG

Definition: THE ANGLE FORMED BY THE TEETH CUT, EXPRESSED IN DEGREES.

Reply Instructions: Enter the reply in clear text. (e.g., CFBXG 1 DEGREE,37 MINUTES,39 SECONDS*)

ALL* (See Note Preceding MRC AJLA)

CFBY J SMALL END TEETH DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF THE TEETH AT THE SMALL END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFBYJAA0.0428*; CFBYJLA1.0*; CFBYJAB0.0418$$JAC0.0438*)

APP
Key MRC Mode Code Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJLA)

CTKF J TAPER

Definition: THE AMOUNT OF THE TAPER OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CTKJFQA0.750*; CTKFJSA19.9*; CTKFJQB0.745$$JQC0.755*)

Table 1

REPLY CODE	REPLY (AB39)
Q	PER FOOT IN INCHES
S	PER METER IN MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJLA)

ABND J TAPER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TAPERED PORTION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNDJAA0.875*; ABNDJLA22.0*; ABNDJAB0.865$$JAC0.885*)

Table 1

APP
Key MRC Mode Code Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJLA)

AXND D COUNTERBORE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A COUNTERBORE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXNDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AAWY AND AAWZ: IF REPLY CODE B IS ENTERED FOR MRC AXND, REPLY TO MRCS AAWY AND AAWZ.

ALL* (See Note Above)

AAWY J COUNTERBORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A COUNTERBORE PORTION OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWYJAA1.125*; AAWYJLA28.4*; AAWYJAB1.115$$JAC1.125*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAWY)

AAWZ J COUNTERBORE DEPTH

Definition: THE DEPTH OF THE PROCESS USED TO ENLARGE PART OF A HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWZJAA0.225*; AAWZJLA1.8*; AAWZJAB0.220$$JAC0.230*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFBZ D DRAG LINK END CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTICS OF THE DRAG LINK END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFBZDAAT*)

REPLY CODE	REPLY (AJ88)
AAR	W/BALL STUD BORE
AAS	W/INTEGRAL BALL
AAT	W/REPLACEABLE BALL STUD

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ABMZ, ABGL, AGWJ, ADGE, AND ASBQ: IF REPLY CODE AAS OR AAT IS ENTERED FOR MRC CFBZ, REPLY TO MRCS ABMZ AND/OR ABGL. IF REPLY CODE AAR IS ENTERED FOR MRC CFBZ, REPLY TO MRCS AGWJ AND ADGE, AND MRC ASBQ IF BORE IS TAPERED.

ALL* (See Note Above)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA1.250*; ABMZJLA5.0*; ABMZJAB1.240$$JAC1.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMZ)

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTHY OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.625*; ABGLJLA4.9*; ABGLJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMZ)

AGWJ J BORE SMALLEST DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST DIAMETER OF A BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGWJJAA0.875*; AGWJJLA2.4*; AGWJJAB0.870$$JAC0.880*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMZ)

ADGE J BORE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BORE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGEJAA1.750*; ADGEJLA9.8*; ADGEJAB1.740$$JAC1.760*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABMZ)

ASBQ J BORE TAPER

Definition: THE DIMINISHING MEASUREMENT OF THE DIAMETER ALONG THE MAJOR AXIS OF THE BORE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASBQJDNA1.500*; ASBQJDNB1.475$$JQC1.525*; ASBQJDPA38.1*)

Table 1

REPLY CODE	REPLY (AG20)
DN	PER FOOT IN INCHES
DP	PER METER IN MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: L

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15952*)

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDEBP*)

REPLY CODE	REPLY (AK54)
EBN	BALL STUD
EBP	SOCKET
EBQ	YOKE

NOTE FOR MRCS CFCD, CFCG, CFCH, CFCJ, CFCK, AJSD, AKYX, AND ANMD: IF REPLY CODE EBN IS ENTERED FOR MRC APGF, REPLY TO MRC CFCD. IF REPLY CODE EBP IS ENTERED FOR MRC APGF, REPLY TO MRCS CFCG, CFCH, AND CFCJ OR CFCK. IF REPLY CODE EBQ IS ENTERED FOR MRC APGF, REPLY TO MRCS CFCG, AJSD, AKYX, AND ANMD.

ALL* (See Note Above)			
	CFCD	D	BALL STUD

Definition: AN INDICATION OF WHETHER OR NOT A BALL STUD IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFCDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS AQZK, CFCF, ABND, ABUJ, AJYP,AAJF, AND AASA: IF REPLY CODE B IS ENTERED FOR MRC CFCD, REPLY TO MRCS AQZK, CFCF, ABND, ABUJ, AJYP, AAJF, AND AASA.

ALL* (See Note Above)

AQZK D REMOVABILITY FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A REMOVABILITY FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQZKDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC AQZK)

CFCF J TAPERED BEARING SURFACE MAJOR DIAMETER

Definition: THE DISTANCE ACROSS THE LARGEST CIRCULAR CROSS SECTION OF THE TAPERED BEARING SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCFJAA1.250*; CFCFJLA10.5*; CFCFJAB1.240$$JAC1.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP
Key MRC Mode Code Requirements

ALL* (See Note Preceding MRC AQZK)

ABND J TAPER LENGTH

Definition: A MEASURMENT OF THE LONGEST DIMENSION OF THE TAPERED PORTION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNDJAA1.375*; ABNDJLA5.7*; ABNDJAB1.360$$JAC1.390*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AQZK)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the size.

(e.g., ABUJA1/2-20*)

ALL*

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AJYPDNF*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AQZK)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAL*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC AQZK)

AASA J THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF THREADS, INCLUDING INCOMPLETE THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AASAJAA1.438*; AASAJLA8.4*; AASAJAB1.425$$JAC1.450*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

CFCG J DISTANCE FROM PIVOT HOLE CENTER TO ROD CONNECTING END

APP Key	MRC	Mode Code	Requirements

Definition: THE DISTANCE FROM THE CENTER OF THE PIVOT HOLE TO THE ROD CONNECTING END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCGJAA3.128*; CFCEJLA14.2; CFCGJAB3.120$$JAC3.140*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

CFCH J SPHERICAL DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SPHERICAL FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCHJAA1.187*; CFCHJLA7.5*; CFCHJAB1.182$$JAC1.192*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

APP Key	MRC	Mode Code	Requirements
	CFCJ	J	BODY THICKNESS AT PIVOT HOLE

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A BODY AT THE PIVOT HOLE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCJJAA1.031*; CFCJJLA8.6*; CFCJJAB1.021$$JAC1.041*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

	CFCK	J	BODY HEIGHT AT PIVOT HOLE

Definition: A MEASUREMENT FROM THE BOTTOM TO THE PIVOT HOLE OF THE BODY, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCKJAA1.030*; CFCKJLA4.0*; CFCKJAB1.020$$JAC1.040*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

APP Key	MRC	Mode Code	Requirements
	AJSD	J	FORK SPAN WIDTH

Definition: THE DISTANCE LATERALLY FROM TIP TO TIP OF THE FORK.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJSDJAA2.125*; AJSDJLA9.8*; AJSDJAB2.115$$JAC2.135*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

	AKYX	J	FORK DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE FORK, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AKYXJAA1.375*; AKYXJLA12.0*; AKYXJAB1.365$$JAC1.385*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFCD)

APP Key	MRC	Mode Code	Requirements
	ANMD	J	PIVOT HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PIVOT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANMDJAA0.625*; ANMDJLA2.0*; ANMDJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	CFCL	D	ROD CONNECTING END THREAD LOCATION

Definition: THE PORTION(S) OF THE ROD CONNECTION END ON WHICH THE THREAD IS LOCATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFCLDABY*)

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL
ABX	INTERNAL

ALL

	CFCM	A	ROD CONNECTING END THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE ROD CONNECTING END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the size.

(e.g., CFCMA11/16-18*)

ALL

CFCN D ROD CONNECTING END THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A DIAMETER OF THE ROD CONNECTING END.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., CFCNDNF*)

ALL

CFCP D ROD CONNECTING END THREAD DIRECTION

Definition: THE DIRECTION OF THE ROD CONNECTING END THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFCPDAAL*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL

CFCQ J ROD CONNECTING END THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF COMPLETE (FULL) THREADS ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS OF THE ROD CONNECTING END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFCQJAA0.625*; CFCQJLA1.5*; CFCQJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CNJF D LOCKING CLAMP TYPE

Definition: INDICATES THE TYPE OF LOCKING CLAMP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CNJFDBR*)

REPLY CODE	REPLY (AE36)
GJ	INTEGRAL
BR	SEPARATE

NOTE FOR MRCS AECS AND AHNX: IF REPLY CODE GJ IS ENTERED FOR MRC CNJF, REPLY TO MRCS AECS AND AHNX.

ALL* (See Note Above)

AECS A BOLT HOLE QUANTITY

Definition: THE NUMBER OF BOLT HOLES PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AECSA2*)

ALL* (See Note Preceding MRC AECS)

AHNX J BOLT HOLE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BOLT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHNXJAA0.375*; AHNXJLA1.5*; AHNXJAB0.370$$JAC0.380*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: M

APP Key	MRC	Mode Code	Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19163*)

ALL

SHPE D SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDAAX*)

REPLY CODE	REPLY (AD07)
AAX	BENT
ATG	STRAIGHT

NOTE FOR MRC CFCR: IF REPLY CODE AAX IS ENTERED FOR MRC SHPE, REPLY TO MRC CFCR.

ALL* (See Note Above)

CFCR A BEND QUANTITY

Definition: THE NUMBER OF BENDS IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., CFCRA2*)

ALL

ARQS D CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQSDAAS*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AL59)
AAQ	*SOLID*
AAS	*TUBULAR*

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$DST0000*)

ALL

AETC J METALLIC HARDNESS RATING

Definition: A NUMERIC VALUE THAT REFLECTS THE HARDNESS OF A METALLIC ITEM WHEN USED IN CONJUNCTION WITH A HARDNESS RATING SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AETCJARC16.0*; AETCJBRC10.0$$JCRC26.0*)

Table 1

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	*MAXIMUM*

Table 2

REPLY CODE	REPLY (AC26)
RB	ROCKWELL B
RC	ROCKWELL C

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ABPM, ADPR, AND ADAT: IF THE BODY IS ROUND, REPLY TO MRC ABPM. IF THE BODY IS OTHER THAN ROUND, REPLY TO MRCS ADPR AND ADAT.

ALL* (See Note Above)

ABPM J BODY DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPMJAA1.875*; ABPMJLA9.8*; ABPMJAB1.850$$JAC1.890*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABPM)

ADPR J BODY THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A BODY, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADPRJAA0.938*; ADPRJLA1.5*; ADPRJAB0.930$$JAC0.940*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABPM)

ADAT J BODY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BODY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADATJAA1.625*; ADATJLA5.0*; ADATJAB1.615$$JAC1.635*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	*MAXIMUM*

ALL

AWZY D END CONNECTION TYPE

Definition: INDICATES THE TYPE OF END CONNECTION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable I/SAC from Table 1 below, Followed by the Mode Code and the applicable Reply Code from Table 2 below. Enter Replies in Table 2 sequence. (e.g., AWZY1ZDPE)*

For multiple replies use Secondary Address coding, entering in reply table sequence. (e.g., AWZY1ADPC; AWZY1BDPD*)*

Enter Reply Code PC for items with the stud. Enter Reply Code PE for items designed to accommodate the ball stud but which are without the ball stud.

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AB76)
PC	BALL STUD
HH	EYE
PD	*PLAIN THREADED*
PE	*SOCKET*
CR	*YOKE*

NOTE FOR MRCS ABQB, ABND, CFCT, AQLF, CMLD, ADDR, CMLJ, APCS, ABKV, HGTH, ABXV, ANAL, CFCW, ABUJ, AJYP, AAJF, AASA, APJC, CFCX, CFCY, CFCZ, CFDB, AJSD, AKYX, AND ANMD:

IF REPLY CODE PC IS ENTERED FOR MRC AWZY, REPLY TO MRCS ABQB, ABND, CFCT, AQLF, CMLD, ADDR, CMLJ, AND APCS.

IF REPLY CODE HH IS ENTERED FOR MRC AWZY, REPLY TO MRCS ABKV, HGTH, ABXV, (IF STRAIGHT BORE) ANAL, (IF BORE IS TAPERED) CFCW, AND (IF EYE IS NOT AT END OF ROD OR LINK) APCS.

IF REPLY CODE PD IS ENTERED FOR MRC AWZY, REPLY TO MRCS ABUJ, AJYP, AAJF, AASA, AND APJC.

IF REPLY CODE PE IS ENTERED FOR MRC AWZY, REPLY TO MRCS CFCX, CFCY, CFCZ, CFDB, AND APCS.

IF REPLY CODE CR IS ENTERED FOR MRC AWZY, REPLY TO MRCS AJSD, AKYX, AND ANMD.

APP
Key MRC Mode Code Requirements

FOR ENDS OF DIFFERENT TYPE AND/OR SIZE, USE IDENTIFIED SECONDARY ADDRESS CODING (I/SAC) AS INDICATED BY REPLY EXAMPLES FOR EACH MRC REQUIRED. LIST REPLIES FOR THE SMALLEST ENDS FIRST. FOR PLAIN THREADED TYPE ENDS, IF THE THREAD SIZE IS THE SAME, BUT WITH DIFFERENT THREAD LENGTH, ENTER REPLIES FOR THE END WITH THE SHORTEST THREAD LENGTH FIRST.

ALL* (See Note Above)

ABQB J TAPER MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CIRCULAR CROSS SECTION OF THE TAPERED PORTION, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., ABQB1ZJLA9.8*;

ABQB1AJAA1.000*

ABQB1BJAB1.125$$JAC1.135*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

APP Key	MRC	Mode Code	Requirements
	ABND	J	TAPER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TAPERED PORTION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., ABND1ZJLA9.8*;

ABND1AJAA1.250*

ABND1BJAB1.375$$JAC1.390*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

	CFCT	J	DISTANCE FROM BALL STUD CENTERLINE TO THREADED END

Definition: THE DISTANCE FROM THE CENTERLINE OF THE BALL STUD TO THE THREADED END.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., CFCT1ZJLA12.5;*

CFCT1AJAA3.000*

APP
Key MRC Mode Code Requirements

CFCT1BJAB3.875$$JAC3.900*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

AQLF A STUD THREAD SIZE

Definition: DESIGNATES THE STUD THREAD DIAMETER AND NUMBER OF THREAD PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable I/SAC from the Table below, Followed by the Mode Code and the size.

AQLF1AA1/2-20*

AQLF1BA3/4-16*)

REPLY CODE	REPLY(0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

ALL* (See Note Preceding MRC ABQB)

APP Key	MRC	Mode Code	Requirements
	CMLD	D	STUD END THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIEAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIED DIAMETER OF A STUB END.

Reply Instructions: Enter the applicable I/SAC from the Table below, followed by the Mode Code and the applicable Reply Code from Appendix A , Table 5. (e.g., CMLD1ZDNF*;

CMLD1ADNC*

CMDL1BDNF*)

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

ALL* (See Note Preceding MRC ABQB)

	ADDR	D	STUD END THREAD DIRECTION

Definition: THE DIRECTION OF THE STUD END THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Code from Table 2 below. (e.g., ADDR1ZDAAG;*

ADDR1ADAAL*

ADDR1BDAAL*)

Table 1

REPLY CODE	REPLY(0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC ABQB)

CMLJ J STUD END THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF THREADS, INCLUDING INCOMPLETE THREADS, OF A STUD END MEASURED ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., CMLJ1ZJAB0.680$$JAC0.696*;

CMLJ1AJAA0.500*

CMLJ1BJAB0.688$$JAC0.696*)

Table 1

REPLY CODE	REPLY (083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

APP Key	MRC	Mode Code	Requirements
	ABKV	J	OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., ABKV1ZJLA12.0*;

ABKV1AJAA3.000*

ABKV1BJAB3.375$$JAC3.390*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

	HGTH	J	HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN OBJECT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., HGTH1ZJLA5.5*;

HGTH1AJAA1.000*

APP Key	MRC	Mode Code	Requirements

HGTH1BJAB1.375$$JAC1.390*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST ENDS*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

ABXV J BORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., ABXV1ZJLA10.2*;

ABXV1AJAA1.500*

ABXV1BJAB2.000$$JAC2.015*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

ANAL J TAPER BORE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., ANAL1ZJLA9.8*;

ANAL1AJAA2.000*

ANAL1BJAB2.625$$JAC2.650*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABQB)

CFCW	J	DISTANCE FROM EYE CENTER TO NEAREST END

Definition: THE DISTANCE FROM THE CENTER OF THE EYE TO THE NEAREST END.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., CFCW1ZJLA12.2*;

CFCW1AJAA4.750*

CFCW1BJAB4.875$$JAC4.900*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

ABUJ	A	THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable I/SAC from the Table below, followed by the Mode Code and the size. (e.g., ABUJ1ZA7/8-18;*

*ABUJ1AA5/8-16**

ABUJ1BA3/4-18*)

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

ALL* (See Note Preceding MRC ABQB)

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable I/SAC from Table below, followed by the Mode Code and the applicable Reply Code from Appendix A , Table 5. (e.g., AJYP1ZDNF;*

AJYP1ADUN*

AJYP1BDNS*)

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

ALL* (See Note Preceding MRC ABQB)

AAJF D THREAD DIRECTION

APP
Key MRC Mode Code Requirements

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Table 2 below. (e.g.,

AAJF1ADAAG*

AAJF1BDAAL*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC ABQB)

AASA J THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF THREADS, INCLUDING INCOMPLETE THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., AASA1ZJLA10.0*;

AASA1AJAA0.750*

AASA1BJAB1.000$$JAC1.010*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

APJC D THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Table 2 below. (e.g.,

APJC1ADABX*

APJC1BDABY*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL
ABX	INTERNAL

ALL* (See Note Preceding MRC ABQB)

CFCX J DISTANCE FROM ROD/LINK END TO NEAREST EDGE OF OPENING

APP
Key MRC Mode Code Requirements

Definition: THE DISTANCE FROM THE ROD AND/OR LINK END TO THE NEAREST EDGE OF THE OPENING.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., CFCX1ZJLA1.5;*

CFCX1AJAA0.750*

CFCX1BJAB0.817$$JAC0.822*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

CFCY D OPENING SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE OPENING.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Table 2 below. (e.g.,

CFCY1ADBCY*

CFCY1BDAPL*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS

APP Key	MRC	Mode Code	Requirements
		1A	FIRST END
		1B	SECOND END
		1X	SINGLE END

Table 2

REPLY CODE	REPLY (AD07)
BCY	KEYHOLE
APL	ROUND

ALL* (See Note Preceding MRC ABQB)

CFCZ J OPENING LARGEST DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CIRCULAR OPENING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., CFCZ1ZJLA5.8*;

CFCZ1AJAA1.000*

CFCZ1BJAB1.125$$JAC1.135*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL (See Note Preceding MRC ABQB)*

CFDB D BALL STUD SEAT/THREADED PLUG

Definition: AN INDICATION OF WHETHER OR NOT A BALL STUD SEAT(S) AND THREADED PLUG IS INCLUDED.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Code from Table 2 below. (e.g., CFDB1ADB*; CFDB1BDC*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC ABQB)

APCS D ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS ADJUSTABLE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Table 2 below. (e.g.,

APCS1ADA; APCS1BDC*)*

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE

APP Key	MRC	Mode Code	Requirements
		C	NONADJUSTABLE

NOTE FOR MRC BDSC: IF REPLY CODE C IS ENTERED FOR MRC APCS AND MULTIPLE CONNECTING CENTERS ARE SPECIFIED, REPLY TO MRC BDSC.

ALL (See Note Above)*

BDSC B CONNECTING CENTERS RELATIVE ANGULAR POSITION IN DEG

Definition: A MEASUREMENT OF THE RELATIVE ANGULAR POSITION OF THE CONNECTING CENTERS, EXPRESSED IN DEGREES.

Reply Instructions: Enter the applicable I/SAC from Table below, followed by the Mode Code and the numeric value. (e.g., BDSC1AB60.0*)

Position of connecting centers is determined by facing one end of the tie rod or drag link. The number of degrees is computed in a clockwise direction from the center of the nearest to the center of the farthest ball stud, ball stud opening (socket), or eye.

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	FIRST END
1B	SECOND END
1X	SINGLE END

ALL* (See Note Preceding MRC ABQB)

AJSD J FORK SPAN WIDTH

Definition: THE DISTANCE LATERALLY FROM TIP TO TIP OF THE FORK.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., AJSDJ1ZLA10.0*;

AJSD1AJAA1.750*

APP Key	MRC	Mode Code	Requirements

AJSD1BJAB2.000$$JAC2.010*)

Table 1

REPLY CODE	REPLY (0083)
1Z	ALL ENDS
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

AKYX J FORK DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE FORK, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., AKYX1ZJLA10.0; AKYX1AJAA0.750*; AKYX1BJAB1.000$$JAC1.010*)*

Table 1

REPLY CODE	REPLY (0083)
1Z	*ALL ENDS*
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*

APP Key	MRC	Mode Code	Requirements
		L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABQB)

ANMD J PIVOT HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PIVOT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., ANMD1ZJLA1.5; ANMD1AJAA0.500*; ANMD1BJAB0.625$$JAC0.630*)*

Table 1

REPLY CODE	REPLY (0083)
1Z	*ALL ENDS*
1A	*FIRST END*
1B	*SECOND END*
1X	SINGLE END

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS CFDC, CFDD AND ABHP: IF TWO CONNECTING CENTERS, REPLY TO MRC CFDC. IF THREADED AT ONE END AND A CONNECTING CENTER ON OPPOSITE END, REPLY TO MRC CFDD. IF BOTH ENDS ARE THREADED, REPLY TO MRC ABHP.

ALL* (See Note Above)

CFDC J CENTER TO CENTER DISTANCE BETWEEN CONNECTING CENTERS

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE CONNECTING CENTERS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFDCJAA18.500*; CFDCJLA58.2*; CFDCJAB18.400$$JAC18.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFDC)

CFDD J DISTANCE FROM CONNECTING CENTER TO OPPOSITE END

Definition: THE DISTANCE FROM THE CONNECTING CENTER TO THE OPPOSITE END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFDDJAA23.250*; CFDDJLA75.0*; CFDDJAB23.200$$JAC23.300*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFDC)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA47.625*; ABHPJLA105.5*; ABHPJAB7.575$$JAC7.675*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFDF D ROD END LOCK CLAMP

Definition: AN INDICATION OF WHETHER OR NOT A ROD END LOCK CLAMP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFDFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

SECTION: N

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED41830*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$DST0000*)

ALL			
	AETC	J	METALLIC HARDNESS RATING

Definition: A NUMERIC VALUE THAT REFLECTS THE HARDNESS OF A METALLIC ITEM WHEN USED IN CONJUNCTION WITH A HARDNESS RATING SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AETCJARC35.0*; AETCJBRC25.0$$JCRC45.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AETCKN*)

Table 1

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 2

REPLY CODE	REPLY (AC26)
RB	ROCKWELL B
RC	ROCKWELL C

APP Key	MRC	Mode Code	Requirements

ALL

AASG D CASEHARDENING INDICATOR

Definition: INDICATES WHETHER OR NOT A FERROUS ALLOY OBJECT HAS BEEN SUBJECTED TO A PROCESS WHEREBY THE OUTER PORTION IS MADE SUBSTANTIALLY HARDER THAN THE INNER PORTION OR CORE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AASGDA*)

REPLY CODE	REPLY (AA70)
A	CASEHARDENED
B	NOT CASEHARDENED

NOTE FOR MRCS ABRY, ABMZ, ABQB, CTKF AND ABMZ: IF THE KINGPIN IS STRAIGHT, REPLY TO MRCS ABRY AND ABMZ. IF THE KINGPIN IS TAPERED, REPLY TO MRCS ABRY, ABQB, CTKF AND ABND.

ALL* (See Note Above)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA8.125*; ABRYJLA24.5*; ABRYJAB8.100$$JAC8.150*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP
Key MRC Mode Code Requirements

ALL* (See Note Preceding MRC ABRY)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA8.125*; ABMZJLA16.5*; ABMZJAB8.075$$JAC8.175*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABRY)

ABQB J TAPER MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CIRCULAR CROSS SECTION OF THE TAPERED PORTION, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABQBJAA3.375*; ABQBJLA9.8*; ABQBJAB3.360$$JAC3.390*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRC ABRY)

CTKF J TAPER

Definition: THE AMOUNT OF TAPER OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CTKFJQA1.375*; CTKFJQB1.360$$JQC1.390*; CTKFJSA34.9*)

Table 1

REPLY CODE	REPLY (AB39)
Q	PER FOOT IN INCHES
S	PER METERS IN MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABRY)

ABND J TAPER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TAPERED PORTION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNDJAA2.625*; ABNDJLA12.0*; ABNDJAB2.600$$JAC2.650*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

AXFS J OVERSIZE

Definition: THE MEASURED AMOUNT OF THE OVERSIZE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFSJAA0.005*; AXFSJLA1.0*; AXFSJAB0.004$$JAC0.006*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BKJT D HEAD SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE HEAD.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BKJTDACC*)

REPLY CODE	REPLY (AD07)
ACC	CONE
ADJ	D
AHH	HEXAGON
APL	ROUND
AQF	ROUND W/FLATTED SIDES

ALL*

AGEZ D RETAINING DEVICE TYPE

APP
Key MRC Mode Code Requirements

Definition: INDICATES THE TYPE OF RETAINING DEVICE USED TO SAFEGUARD THE ITEM AGAINST LOSS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGEZDGH*; AGEZDGH$$DGJ*)

REPLY CODE	REPLY (AC52)
GH	LOCKPIN SLOT
GJ	RING GROOVE

NOTE FOR MRCS ABGL, AEJZ, CFDG, AND CFDH: IF A REPLY IS ENTERED FOR MRC AGEZ, REPLY TO MRCS ABGL, AEJZ, AND CFDG. IF MORE THAN ONE SLOT OR GROOVE, REPLY TO MRC CFDH.

ALL* (See Note Above)

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.125*; ABGLJLA1.5*; ABGLJAB0.115$$JAC0.125*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABGL)

AEJZ J DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A TANNER POINT ON AN ITEM IN DISTINCTION FROM HEIGHT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA0.063*; AEJZJLA1.0*; AEJZJAB0.063$$JAC0.065*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABGL)

CFDG	J	DISTANCE FROM NEAREST END TO GROOVE/SLOT CENTER

Definition: THE DISTANCE FROM THE NEAREST END TO THE CENTER OF THE GROOVE AND/OR SLOT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFDGJAA0.963*; CFDGJLA1.5*; CFDGJAB0.960$$JAC0.965*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABGL)

CFDH	J	CENTER TO CENTER DISTANCE BETWEEN GROOVE/SLOT

APP Key	MRC	Mode Code	Requirements

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE GROOVE AND/OR SLOT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFDHJAA0.875*; CFDHJLA1.5*; CFDHJAB0.870$$JAC0.880*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFDJ D THREADED SECURING END

Definition: AN INDICATION OF WHETHER OR NOT A THREADED SECURING END IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,CFDJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ABUJ, AJYP, AAJF, AND ACXU: IF REPLY CODE B IS ENTERED FOR MRC CFDJ, REPLY TO MRCS ABUJ, AJYP, AAJF, AND ACXU.

ALL* (See Note Above)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the size.

(e.g., ABUJA5/8-18*)

ALL* (See Note Preceding MRC ABUJ)

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AJYPDNC*)

ALL* (See Note Preceding MRC ABUJ)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC ABUJ)

ACXU J PINHOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PIN HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACXUJAA0.125*; ACXUJLA1.5*; ACXUJAB0.120$$JAC0.130*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFDK D SCREWDRIVER SLOTTED END

Definition: AN INDICATION OF WHETHER OR NOT A SCREWDRIVER SLOTTED END IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFDKDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

CFDL D LUBRICATION FITTING THREADED HOLE

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICATION FITTING THREADED HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFDLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

CFDM D LUBRICATION GROOVE TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF LUBRICATION GROOVE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFDMDDXK*)

REPLY CODE	REPLY (AK54)
DXK	SPIRAL
AMN	STRAIGHT

SECTION: Q

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED18541*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$DST0000*)

ALL			
	CFGP	D	BALL SEAT END CHARACTERISTIC

Definition: INDICATES THE PHYSICAL CHARACTERISTIC(S) OF THE BALL SEAT END.

Reply Instructions: Enter the applicable Reply Code from the table below. Excludes Lubrication hole. (e.g., CFGPDEBS*; CFGPDEBS$$DDMR*)

REPLY CODE	REPLY (AK54)
EBS	CONCAVE
DMR	DRILLED
AEJ	FLAT

NOTE FOR MRCS AJFL, ABMZ, AND AEJZ: IF REPLY CODE EBS IS ENTERED FOR MRC CFGP, REPLY TO MRC AJFL. IF REPLY CODE DMR IS ENTERED FOR MRC CFGP, REPLY TO MRCS AMBZ AND AEJZ.

ALL* (See Note Above)			
	AJFL	J	SPHERICAL RADIUS

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT OF A LINE SEGMENT EXTENDING THE CURVATURE PORTION OF THE SPHERICAL SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJFLJAA0.375*; AJFLJLA1.5*; AJFLJAB0.370$$JAC0.380*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJFL)

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.375*; ABMZJLA1.5*; ABMZJAB0.370$$JAC0.380*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJFL)

APP Key	MRC	Mode Code	Requirements
	AEJZ	J	DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A SPECIFIED INNER POINT ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA0.125*; AEJZJLA1.5*; AEJZJAB0.125$$JAC0.130*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LOGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA0.885*; ABHPJLA1.5*; ABHPJAB0.875$$JAC0.895*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	THDS	J	THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5, followed by the size.

(e.g., THDSJNF1/2-20*)

ALL

	AAJF	D	THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL

	ABGC	J	SLOT WIDTH

Definition: THE DISTANCE, MEASURED ALONG A STRAIGHT LINE PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE SLOT, FROM ONE EDGE TO THE OTHER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGCJAA0.063*; ABGCJLA1.5*; ABGCJAB0.061$$JAC0.065*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AAZT J SLOT DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE SLOT, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZTJAA0.063*; AAZTJLA1.5*; AAZTJAB0.061$$JAC0.063*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CFDL D LUBRICATION FITTING THREADED HOLE

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICATION FITTING THREADED HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFDLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC BDFL: IF REPLY CODE B IS ENTERED FOR MRC CFDL, REPLY TO MRC BDFL.

ALL* (See Note Above)

BDFL A HOLE THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER MEASUREMENT SCALE OF A THREADED HOLE.

Reply Instructions: Enter the size.

(e.g., BDFLA3/8-24*)

SECTION: R

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED21827*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. Exclude material of cover. (e.g., MATLDST0000*; MATLDST0000$DSTB000*)

ALL			
	ARQS	D	CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQSDAAS*)

REPLY CODE	REPLY (AL59)
AAQ	SOLID
AAS	TUBULAR

NOTE FOR MRCS ABHP, ABKV, AND AARX: IF REPLY CODE AAQ IS ENTERED FOR MRC ARQS, REPLY TO MRCS ABHP AND ABKV.

ALL* (See Note Above)			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA33.375*; ABHPJLA85.5*; ABHPJAB33.000$$JAC33.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABKV J OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA2.125*; ABKVJLA10.5*; ABKVJAB2.115$$JAC2.135*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

AARX J INSIDE DIAMETER

APP
Key MRC Mode Code Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.825*; AARXJLA15.8*; AARXJAB1.800$$JAC1.850*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ASRX D TWIST DIRECTION

Definition: AN INDICATION OF THE TWIST DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASRXDAAD*)

REPLY CODE	REPLY (AA38)
AAC	CLOCKWISE
AAD	COUNTERCLOCKWISE

NOTE FOR MRCS ADGN, CFGQ, ADGR, CFGX, CFHF, AND CFHG: CONNECTING ENDS OF THE ITEM WILL BE DESIGNATED FIRST END AND SECOND END. THE END WITH THE LARGEST DIMENSIONS WILL BE THE FIRST END. WHEN BOTH ENDS ARE THE SAME, EITHER END WILL BE THE FIRST END.

ALL (See Note Above)

ADGN J FIRST END CHAMFER LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A CHAMFER AT THE FIRST END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g.,ADGNJAA0.375*; ADGNJLA2.0*; ADGNJAB0.370$$JAC0.380*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL (See Note Preceding MRC ADGN)

CFGQ D FIRST END CROSS-SECTIONAL SHAPE

Definition: THE GEOMETRIC CONFIGURATION OF THE FIRST END WHEN VIEWED IN CROSS SECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFGQDBCZ*)

REPLY CODE	REPLY (AD07)
AHH	HEXAGON
BCZ	SERRATED
ASL	SQUARE

NOTE FOR MRCS CFGR, CFGS, CFGT, AMDS, CFGW, ACKY, AND AMCX: IF REPLY CODE BCZ IS ENTERED FOR MRC CFGQ, REPLY TO MRCS CFGR, CFGS, CFGT, AMDS, AND CFGW. IF REPLY CODE AHH OR ASL IS ENTERED FOR MRC CFGQ, REPLY TO MRC ACKY AND AMCX.

ALL* (See Note Above)

CFGR A FIRST END TEETH QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF TEETH PROVIDED AT THE FIRST END.

Reply Instructions: Enter the quantity. (e.g., CFGRA46*)

ALL* (See Note Preceding MRC CFGR)

CFGS J FIRST END SERRATION LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SERRATION AT THE FIRST END, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFGSJAA1.125*; CFGSJLA9.8*; CFGSJAB1.120$$JAC1.130*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFGR)

CFGT J FIRST END MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE OUTERMOST SURFACE OF THE FIRST END, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFGTJAA1.825*; CFGTJLA10.0*; CFGTJAB1.800$$JAC1.850*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFGR)

AMDS J FIRST END PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER MEASUREMENT SCALE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMDSJAA2.125*; AMDSJLA20.5*; AMDSJAB2.110$$JAC2.140*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFGR)

CFGW B FIRST END PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE OF THE FIRST END, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., CFGWB44.50*)

ALL* (See Note Preceding MRC CFGR)

ACKY J FIRST END WIDTH ACROSS FLATS

Definition: THE DISTANCE FROM ONE FLAT TO THE OPPOSITE FLAT OF THE FIRST END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACKYJAA1.417*; ACKYJLA12.0*; ACKYJAB1.410$$JAC1.425*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFGR)

AMCX J FIRST END FLAT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE FLAT AT THE FIRST END, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMCXJAA2.106*; AMCXJLA9.8*; AMCXJAB2.090$$JAC2.120*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL (See Note Preceding MRC ADGN)

ADGR J SECOND END CHAMFER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A CHAMFER AT THE SECOND END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGRJAA0.625*; ADGRJLA1.5*; ADGRJAB0.615$$JAC0.635*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL (See Note Preceding MRC ADGN)

CFGX D SECOND END CROSS-SECTIONAL SHAPE

Definition: THE GEOMETRIC CONFIGURATION OF THE SECOND END WHEN VIEWED IN CROSS SECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFGXDAHH*)

REPLY CODE	REPLY (AD07)
AHH	HEXAGON
BCZ	SERRATED
ASL	SQUARE

NOTE FOR MRCS CFGY, CFGZ, CFHB, AMGF, CFHC, CFHD, AND AMFP: IF REPLY CODE BCZ IS ENTERED FOR MRC CFGX, REPLY TO MRCS CFGY, CFGZ, CFHB, AMGF, AND CFHC. IF REPLY CODE AHH OR ASL IS ENTERED FOR MRC CFGX, REPLY TO MRCS CFHD AND AMFP.

ALL* (See Note Above)

CFGY A SECOND END TEETH QUANTITY

Definition: THE NUMBER OF TEETH PROVIDED AT THE SECOND END.

Reply Instructions: Enter the quantity. (e.g., CFGYA42*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC CFGY)

CFGZ J SECOND END SERRATION LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SERRATION AT THE SECOND END, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFGZJAA1.125*; CFGZJLA12.5*; CFGZJAB1.115$$JAC1.135*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL (See Note Preceding MRC CFGY)*

CFHB J SECOND END MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE OUTERMOST SURFACE OF THE SECOND END, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFHBJAA1.625*; CFHBJLA15.0*; CFHBJAB1.610$$JAC1.640*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC CFGY)

AMGF J SECOND END PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER MEASUREMENT SCALE OF THE SECOND END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMGFJAA2.145*; AMGFJLA12.0*; AMGFJAB2.135$$JAC2.155*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFGY)

CFHC B SECOND END PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE OF THE SECOND END, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., CFHCB44.50*)

ALL* (See Note Preceding MRC CFGY)

CFHD J SECOND END WIDTH ACROSS FLATS

Definition: THE DISTANCE FROM ONE FLAT TO THE OPPOSITE FLAT OF THE SECOND END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFHDJAA1.250*; CFHDJLA9.8*; CFHDJAB1.240$$JAC1.260*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFGY)

AMFP J SECOND END FLAT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE FLAT AT THE SECOND END, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMFPJAA2.000*; AMFPJLA9.8*; AMFPJAB1.980$$JAC2.020*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADGN)

CFHF D SOLID BAR END CHARACTERISTIC AT FIRST END

Definition: INDICATES THE PHYSICAL CHARACTERISTIC OF THE END OF THE SOLID BAR AT THE FIRST END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHFDDX*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AB76)
CN	PLAIN
DX	THREADED HOLE
PQ	UNTHREADED HOLE

NOTE FOR MRCS AQSQ, AQSR, AMER, ACLK, ACLL, AMDX, AND AMEB: IF REPLY CODE DX IS ENTERED FOR MRC CFHF, REPLY TO MRCS AQSQ, AQSR, AMER, ACLK, AND ACLL. IF REPLY CODE PQ IS ENTERED FOR MRC CFHF, REPLY TO MRCS AMDX AND AMEB.

ALL* (See Note Above)

AQSQ A FIRST END THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER INCH OF THE FIRST END.

Reply Instructions: Enter the size.

(e.g., AQSQA1/2-20*)

ALL* (See Note Preceding MRC AQSQ)

AQSR D FIRST END THREAD SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE SERIES/TYPE OF THE THREADS OF THE FIRST END.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AQSRDNF*)

ALL* (See Note Preceding MRC AQSQ)

AMER J FIRST END INTERNAL THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF COMPLETE (FULL) INTERNAL THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS OF THE FIRST END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMERJAA0.875*; AMERJLA1.5*; AMERJAB0.865$$JAC0.885*)

Table 1

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AQSQ)

ACLK A FIRST END THREAD CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE AND AN EXTERNAL OR INTERNAL THREAD.

Reply Instructions: Enter the class. (e.g., ACLKA2B*)

ALL* (See Note Preceding MRC AQSQ)

ACLL D FIRST END THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACLLDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC AQSQ)

AMDX J FIRST END HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE OR BODY OF THE FIRST END, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMDXJAA0.625*; AMDXJLA1.5*; AMDXJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AQSQ)

AMEB	J	FIRST END HOLE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF THE HOLE AT THE FIRST END, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMEBJAA0.536*; AMEBJLA1.5*; AMEBJAB0.530$$JAC0.542*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADGN)

CFHG	D	SOLID BAR END CHARACTERISTIC AT SECOND END

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE PHYSICAL CHARACTERISTIC OF THE END OF THE SOLID BAR AT THE SECOND END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHGDPQ*)

REPLY CODE	REPLY (AB76)
CN	PLAIN
DX	THREADED HOLE
PQ	UNTHREADED HOLE

NOTE FOR MRCS AQSS, AQST, AMHP, ACMR, ACMS, AMGS, AND AMHD: IF REPLY CODE DX IS ENTERED FOR MRC CFHG, REPLY TO MRCS AQSS, AQST, AMHP, ACMR, AND ACMS. IF REPLY CODE PQ IS ENTERED FOR MRC CFHG, REPLY TO MRCS AMGS AND AMHD.

ALL* (See Note Above)

AQSS A SECOND END THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER INCH OF THE SECOND END.

Reply Instructions: Enter the size.

(e.g., AQSSA1/2-20*)

ALL* (See Note Preceding MRC AQSS)

AQST D SECOND END THREAD SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE SERIES/TYPE OF THE THREADS OF THE SECOND END.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AQSTDNF*)

ALL* (See Note Preceding MRC AQSS)

AMHP J SECOND END INTERNAL THREAD LENGTH

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT OF THE EXTENT OF COMPLETE (FULL) INTERNAL THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS OF THE SECOND END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMHPJAA0.875*; AMHPJLA1.5*; AMHPJAB0.870$$JAC0.880*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AQSS)

ACMR A SECOND END THREAD CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE AND AN EXTERNAL OR INTERNAL THREAD.

Reply Instructions: Enter the class. (e.g., ACMRA2B*)

ALL* (See Note Preceding MRC AQSS)

ACMS D SECOND END THREAD DIRECTION

Definition: THE DIRECTION OF THE SECOND END THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACMSDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AQSS)

AMGS J SECOND END HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE OR BODY OF THE SECOND END, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMGSJAA0.625*; AMGSJLA1.5*; AMGSJAB0.615$$JAC0.635*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AQSS)

AMHD J SECOND END HOLE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF THE HOLE AT THE SECOND END, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMHDJAA0.536*; AMHDJLA1.5*; AMHDJAB0.533$$JAC0.539*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL

AQHT D COVER

Definition: AN INDICATION OF WHETHER OR NOT A COVER IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQHTDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS CFHM, CFHN, AND CFHP: IF REPLY CODE B IS ENTERED FOR MRC AQHT, REPLY TO MRCS CFHM, CFHN, AND CFHP.

ALL* (See Note Above)

CFHM J COVER OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE COVER, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFHMJAA2.193*; CFHMJLA9.8*; CFHMJAB2.180$$JAC2.210*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFHM)

APP Key	MRC	Mode Code	Requirements
	CFHN	J	COVER OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE COVER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFHNJAA33.438*; CFHNJLA75.0*; CFHNJAB33.420$$JAC33.450*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFHM)

	CFHP	J	BAR END TO COVER LARGEST LENGTH

Definition: A MEASUREMENT OF THE LARGEST DIMENSION FROM THE END OF THE BAR TO THE COVER, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFHPJAA3.500*; CFHPJLA15.5*; CFHPJAB3.475$$JAC3.525*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: S

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17959*)

ALL*			
	CFHQ	J	TIRE RIM NOMINAL DIAMETER

Definition: THE NOMINAL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TIRE RIM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CFHQJA8.000*; CFHQJL25.0*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL			
	CFHR	D	TIRE

Definition: AN INDICATION OF WHETHER OR NOT A TIRE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AJXE AND AAFV: IF REPLY CODE B IS ENTERED FOR MRC CFHR, REPLY f TO MRCS AJXE AND AAFV.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

AJXE A SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size. (e.g., AJXEA6.00*)

ALL* (See Note Preceding MRC AJXE)

AAFV A PLY RATING

Definition: THE NUMERIC TERM PLY RATING IS USED AS AN INDEX OF STRENGTH AND DOES NOT NECESSARILY REPRESENT THE ACTUAL NUMBER OF CORD PLIES IN THE TIRE.

Reply Instructions: Enter the rating. (e.g., AAFVA10*)

ALL

ARJD D DESIGN FORM

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARJDDAFE*)

REPLY CODE	REPLY (AL52)
AFC	DISK
AFD	DISK W/REINFORCING SPOKES
AFE	SPOKE

NOTE FOR MRCS BPLM, BXSJ, AWKJ, CNJG, CNJH, AND CNJJ: IF REPLY CODE AFC OR AFD IS ENTERED FOR MRC ARJD, REPLY TO MRCS BPLM AND BXSJ. IF REPLY CODE AFE IS ENTERED FOR MRC ARJD, REPLY TO MRC AWKJ. FOR OTHER THAN SPIDER TYPE WHEELS (MRC APGF, REPLY CODE EJP), ENTER SPOKE DIMENSIONS IN MRCS CNJG OR CNJH AND CNJJ.

ALL* (See Note Above)

BPLM D DISK TYPE

Definition: INDICATES THE TYPE OF DISK.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BPLMDACY*)

REPLY CODE	REPLY (AK95)
AHE	DOUBLE
ACY	SINGLE

NOTE FOR MRC CFHS: IF REPLY CODE ACY IS ENTERED FOR MRC BPLM, REPLY TO MRC CFHS.

ALL* (See Note Above)

CFHS D MOUNTING FACE TYPE

Definition: INDICATES THE TYPE OF MOUNTING FACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHSDBL*)

REPLY CODE	REPLY (AG89)
BK	CENTERED
BL	CONCAVE (mounting face to the inside of rim centerline)
BM	CONVEX (mounting face to the outside of rim centerline)

NOTE FOR MRC CFHT: IF REPLY CODE BL OR BM IS ENTERED FOR MRC CFHS, REPLY TO MRC CFHT.

ALL* (See Note Above)

CFHT J OFFSET DISTANCE FROM RIM CENTERLINE TO OUTSIDE WHEEL MOUNTING FACE

Definition: THE OFFSET DISTANCE FROM THE CENTERLINE OF THE RIM TO THE OUTSIDE OF THE WHEEL MOUNTING FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFHTJAA4.000*; CFHTJLA12.0*; CFHTJAB3.975$$JAC4.025*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BPLM)

BXSJ D LIGHTENING HOLE

Definition: AN INDICATION OF WHETHER OR NOT A LIGHTENING HOLE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS CNJK AND CNJL: IF REPLY CODE B IS ENTERED FOR MRC BXSJ, REPLY TO MRCS CNJK ANC CNJL.

ALL* (See Note Above)

CNJK A LIGHTENING HOLE QUANTITY

Definition: THE NUMBER OF LIGHTENING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., CNJKA5*)

ALL* (See Note Preceding MRC CNJK)

CNJL D LIGHTENING HOLE HUB CAP MOUNTING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A LIGHTENING HOLE HUB CAP MOUNTING FEATURE IS INCLUDED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CNJLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS CNJM AND CFHX: IF REPLY CODE B IS ENTERED FOR MRC CNJL, REPLY TO MRCS CNJM AND CFHX.

ALL* (See Note Above)

CNJM J HUB CAP MOUNTING DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HUB CAP MOUNTING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJMJAA8.840*; CNJMJLA25.2*; CNJMJAB8.820$$JAC8.860*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CNJM)

CFHX D HUB CAP

Definition: AN INDICATION OF WHETHER OR NOT A HUB CAP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHXDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC BPLM)

AWKJ A SPOKE QUANTITY

Definition: THE NUMBER OF SPOKES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AWKJA12*)

ALL* (See Note Preceding MRC BPLM)

CNJG J SPOKE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SPOKE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJGJAA0.563*; CNJGJLA1.5*; CNJGJAB0.560$$JAC0.566*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BPLM)

CNJH J SPOKE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A SPOKE, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJHJAA0.500*; CNJHJLA1.5*; CNJHJAB0.490$$JAC0.510*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BPLM)

CNJJ J SPOKE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A SPOKE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJJJAA0.250*; CNJJJLA1.5*; CNJJJAB0.240$$JAC0.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDEJN*; APGFDEJK$DEJM*)

To determine the design type, see Appendix C, Table 1.

REPLY CODE	REPLY (AK54)
EJK	DEMOUNTABLE RIM
EJL	DIVIDED RIM
EJM	DIVIDED WHEEL
EJN	INTEGRAL RIM
EJP	SPIDER

NOTE FOR MRCS ATGL AND AJUP: IF REPLY CODE EJK IS ENTERED FOR MRC APGF, REPLY TO MRC ATGL. FOR ALL OTHER REPLY CODES ENTERED FOR MRC APGF, REPLY TO MRC AJUP AND RIM STYLE DIMENSIONS.

ALL* (See Note Above)

ATGL D RIM

Definition: AN INDICATION OF WHETHER OR NOT A RIM IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATGLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AJUP, CFHZ, CFJB, AND CFJC: REPLY CODE B IS ENTERED FOR MRC ATGL, REPLY TO MRC AJUP. IF REPLY CODE C IS ENTERED FOR MRC ATGL, REPLY TO MRCS CFHZ, CFJB, AND CFJC.

ALL* (See Notes Above and Preceding MRC ATGL)

AJUP L RIM STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE RIM.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g.,AJUPL16*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AJUP)

CFHZ J WHEEL/SPIDER OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE WHEEL AND/OR SPIDER, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding flange or rim stop. (e.g., CFHZJAA19.750*; CFHZJLA58.2*; CFHZJAB19.700$$JAC19.800*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AJUP)

CFJB J WHEEL WIDTH AT OUTSIDE DIAMETER

Definition: THE WIDTH OF THE WHEEL AT THE OUTSIDE DIAMETER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFJBJAA5.500*; CFJBJLA18.4*; CFJBJAB5.450$$JAC5.550*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AJUP)

CFJC D RIM FASTENING THREADED FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A RIM FASTENING THREADED FACILITY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC CFJD: IF REPLY CODE B IS ENTERED FOR MRC CFJC, REPLY TO MRC CFJD.

ALL* (See Note Above)

CFJD D RIM FASTENING FACILITY

Definition: THE FACILITY FOR WHICH THE RIM IS FASTENED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJDDAAE*)

REPLY CODE	REPLY (AM39)
ACP	HOLE
AAE	STUD

NOTE FOR MRCS CNSN, CNSP, CNSQ, AND CNSR: IF REPLY CODE ACP IS ENTERED FOR MRC CFJD, REPLY TO MRCS CNSN, CNSP, AND CNSQ. IF REPLY CODE AAE IS ENTERED FOR MRC CFJD, REPLY TO MRCS CNSN, CNSP, CNSQ, AND CNSR.

ALL* (See Note Above)

CNSN A RIM FASTENING FACILITY QUANTITY

Definition: THE NUMBER OF FACILITIES FOR FASTENING THE RIM.

Reply Instructions: Enter the quantity. (e.g., CNSNA6*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC CNSN)

CNSP A RIM FASTENING FACILITY THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER MEASUREMENT SCALE OF A RIM FASTENING FACILITY.

Reply Instructions: Enter the size.

(e.g., CNSPA7/8-24*)

ALL* (See Note Preceding MRC CNSN)

CNSQ D RIM FASTENING FACILITY THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD FOR A RIM FASTENING FACILITY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CNSQDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC CNSN)

CNSR J RIM FASTENING STUD LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE RIM FASTENING STUD, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNSRJAA2.000*; CNSRJLA12.0*; CNSRJAB1.975$$JAC2.025*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CFJF D RING TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF RING FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJFDEJS*)

REPLY CODE	REPLY (AK54)
EJQ	LOCK
EJR	SIDE
EJS	SIDE-LOCK

NOTE FOR MRCS AXPR, ACXD, AND CFJG: IF A REPLY IS ENTERED FOR MRC CFJF, REPLY TO MRCS AXPR, ACXD, AND CFJG.

ALL* (See Note Above)

AXPR D RING

Definition: AN INDICATION OF WHETHER OR NOT A RING(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXPRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC AXPR)

ACXD L RING STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE RING.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable group designator, followed by the applicable style number from Appendix B , Reference Drawing Group C, D, or E. (e.g., ACXDLD6*)

ALL* (See Note Preceding MRC AXPR)

CFJG D BOLT/STUD MOUNTING FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A BOLT AND/OR STUD MOUNTING FACILITY IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AXHR AND CNSS: IF REPLY CODE B IS ENTERED FOR MRC CFJG, REPLY TO MRCS AXHR AND CNSS.

ALL* (See Note Above)

AXHR J MOUNTING FACILITY TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF FACILITIES BY WHICH THE ITEM IS MOUNTED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., AXHRJBHE10*)

REPLY CODE	REPLY (AM39)
BHE	BOLT HOLE
AAE	STUD

ALL* (See Note Preceding MRC AXHR)

CNSS J MOUNTING FACILITY BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING FACILITY BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNSSJAA14.313*; CNSSJLA58.2*; CNSSJAB14.250$$JAC14.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CDMC D VALVE HOLE SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE VALVE HOLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CDMCDAPL*)

REPLY CODE	REPLY (AD07)
APL	ROUND
ARY	SLOTTED

NOTE FOR MRC BFYT: IF REPLY CODE APL IS ENTERED FOR MRC CDMC, REPLY TO MRC BFYT.

ALL* (See Note Above)

BFYT G HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BFYTGLOCATED 9/16 INCH OFFSET FROM CENTER OF RIM*)

ALL

BCNX D MOUNTING TYPE FOR WHICH DESIGNED

APP
Key MRC Mode Code Requirements

Definition: INDICATES THE TYPE OF MOUNTING FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCNXDBJJ*)

REPLY CODE	REPLY (AM39)
BJJ	DUAL TIRE
BJH	SINGLE-DUAL TIRE
BJG	SINGLE TIRE

ALL

CFJH D HUB CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJHDAAX*)

REPLY CODE	REPLY (AJ88)
AAX	DEMOUNTABLE
AAY	INTEGRAL

NOTE FOR MRCS ASBL, CXQW, CFRY, AND AWJQ: IF REPLY CODE AAX IS ENTERED FOR MRC CFJH, REPLY TO MRC ASBL. IF REPLY CODE AAY IS ENTERED FOR MRC CFJH, REPLY TO MRC CXQW AND HUB STYLE DIMENSIONS, AND TO MRCS CFRY AND AWJQ.

ALL* (See Note Above)

ASBL D HUB

Definition: AN INDICATION OF WHETHER OR NOT A HUB IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS CXQW, CFRY, AWJQ, AHEG, ABTJ, ABTB, AND AFFL: IF REPLY CODE B IS ENTERED FOR MRC ASBL, REPLY TO MRCS CXQW, CFRY, AND AWJQ. IF REPLY CODE C IS ENTERED FOR MRC ASBL, REPLY TO MRCS AHEG, ABTJ, ABTB, AND AFFL.

ALL* (See Notes Above and Preceding MRC ASBL)

CXQW L HUB STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HUB.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group B. (e.g., CXQWL3*)

ALL* (See Notes Preceding MRCS ASBL and CXQW)

CFRY D LUBRICATION FITTING

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICATION FITTING(S) IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFRYDC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL* (See Notes Preceding MRCS ASBL and CXQW)

AWJQ D BEARINGS

Definition: AN INDICATION OF WHETHER OR NOT BEARINGS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWJQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS BYDT, BDDY, BDFN, AND ADUV: IF REPLY CODE B IS ENTERED FOR MRC AWJQ, REPLY TO MRCS BYDT, BDDY, BDFN, AND ADUV. IF TWO OR MORE DIFFERENT BEARINGS, USE AND ($$) CODING ENTERING SMALLEST SIZE FIRST.

ALL* (See Note Above)

BYDT D BEARING TYPE

Definition: INDICATES THE TYPE OF BEARING(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BYDTDAJ*;

BYDTDAE$$DAJ*)

ALL* (See Note Preceding MRC BYDT)

BDDY A BEARING QUANTITY

Definition: THE NUMBER OF BEARING(S) PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. Enter in the same sequence as MRC BYDT. (e.g., BDDYA2*;

BDDYA1$$A2*)

ALL* (See Note Preceding MRC BYDT)

BDFN J BEARING INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BEARING, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC BYDT. (e.g., BDFNJAA0.625*; BDFNJLA1.5*; BDFNJAB0.620$$JAC0.630*;

BDFNJAA0.500$$JAB0.625$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYDT)

ADUV J BEARING SURFACE WIDTH

Definition: A MEASUREMENT TAKEN ACROSS THE BEARING SURFACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC BYDT. (e.g., ADUVJAA0.688*; ADUVJLA4.5*; ADUVJAB0.684$$JAC0.692*;

ADUVJAA0.500$$JAB0.684$$JAC0.692*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CXQW)

AHEG J PILOT HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PILOT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHEGJAA4.750*; AHEGJLA12.0*; AHEGJAB4.725$$JAC4.775*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CXQW)

ABTJ A MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA6*)

ALL* (See Note Preceding MRC CXQW)

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.625*; ABTBJLA9.8*; ABTBJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CXQW)

APP Key	MRC	Mode Code	Requirements
	AFFL	J	MOUNTING BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFFLJAA6.500*; AFFJJLA24.2*; AFFLJAB6.400$$JAC6.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: T

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17961*)

ALL			
	ALDK	J	LOAD CAPACITY

Definition: THE WEIGHT THE ITEM CAN ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALDKJPA2450.0*; ALDKJKA1500.0*; ALDKJPB2400.0$$JPC2500.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ALDKKN*)

Table 1

REPLY CODE	REPLY (AB10)
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDEJY*)

APP
Key MRC Mode Code Requirements

REPLY CODE	REPLY (AK54)
EJX	BOLTED DISK
EJY	SOLID CAST DISK
EJZ	SPOKE
EKA	STAMPED DISK

NOTE FOR MRCS AWKJ, CNJG, CNJH, AND CNJJ: IF REPLY CODE EJZ IS ENTERED FOR MRC APGF, REPLY TO MRCS AWKJ, CNJG, CNJH, AND CNJJ, AS APPLICABLE.

ALL* (See Note Above)

AWKJ A SPOKE QUANTITY

Definition: THE NUMBER OF SPOKES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AWKJA4*)

ALL* (See Note Preceding MRC AWKJ)

CNJG J SPOKE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SPOKE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJGJAA0.500*; CNJGJLA1.5*; CNJGJAB0.475$$JAC0.525*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AWKJ)

CNJH J SPOKE WIDTH

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A SPOKE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJHJAA1.563*; CNJHJLA9.8*; CNJHJAB1.550$$JAC1.575*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AWKJ)

CNJJ J SPOKE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A SPOKE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJJJAA0.375*; CNJJJLA1.5*; CNJJJAB0.370$$JAC0.380*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

MATL D MATERIAL

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, excluding tire material. (e.g., MATLDALC000*; MATLDKMD000$$DRCAZ00*)

ALL

ATGL D RIM

Definition: AN INDICATION OF WHETHER OR NOT A RIM IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATGLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS CFJK, BCDX, CFJB, AND CHSN: IF REPLY CODE B IS ENTERED FOR MRC ATGL, REPLY TO MRC CFJK. IF REPLY CODE C IS ENTERED FOR MRC ATGL, REPLY TO MRCS BCDX, CFJB, AND CHSN.

ALL* (See Note Above)

CFJK D RIM CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE RIM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJKDAAY*)

REPLY CODE	REPLY (AJ88)
AAX	DEMOUNTABLE
AAY	INTEGRAL

NOTE FOR MRCS CFJL AND CFJM: IF REPLY CODE AAX IS ENTERED FOR MRC CFJK, REPLY TO MRC CFJL. IF REPLY CODE AAY IS ENTERED FOR MRC CFJK, REPLY TO MRC CFJM.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	CFJL	D	DEMOUNTABLE RIM TYPE

Definition: INDICATES THE TYPE OF DEMOUNTABLE RIM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJLDEKC*)

REPLY CODE	REPLY (AK54)
EKB	BOLTED-ON
EKC	PRESSED-ON

ALL* (See Note Preceding MRC CFJL)

	CFJM	D	INTEGRAL RIM TYPE

Definition: INDICATES THE TYPE OF INTEGRAL RIM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJMDEKN*)

REPLY CODE	REPLY (AK54)
EKK	CONCAVE LUG BASE
EKL	CONCAVE PLAIN BASE
EKM	FLAT BASE
EKN	TAPERED BASE

ALL* (See Note Preceding MRC CFJK)

	BCDX	J	WHEEL DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE WHEEL, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BCDXJAA16.000*; BCDXJLA52.3*; BCDXJAB15.900$$JAC16.100*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFJK)

CFJB J WHEEL WIDTH AT OUTSIDE DIAMETER

Definition: THE WIDTH OF THE WHEEL AT THE OUTSIDE DIAMETER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CFJBJAA5.500*; CFJBJLA15.0*; CFJBJAB5.450$$JAC5.550*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CFJK)

CHSN D RIM TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF RIM FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHSNDEKB*)

REPLY CODE	REPLY (AK54)
EKB	BOLTED-ON
EKC	PRESSED-ON

ALL

APP Key	MRC	Mode Code	Requirements
	CFHR	D	TIRE

Definition: AN INDICATION OF WHETHER OR NOT A TIRE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS CHSP, ALRE, AAGC, AJXE, CHSQ, AND CHSR: IF REPLY CODE B IS ENTERED FOR MRC CFHR, REPLY TO MRCS CHSP, ALRE, AAGC, AJXE, AND CHSQ. IF REPLY CODE C IS ENTERED FOR MRC CFHR, REPLY TO MRC CHSR.

ALL* (See Note Above)

CHSP D TIRE CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE TIRE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHSPDAAX*)

REPLY CODE	REPLY (AJ88)
AAX	DEMOUNTABLE
AAY	INTEGRAL

ALL* (See Note Preceding MRC CHSP)

ALRE D TIRE TYPE

Definition: INDICATES THE TYPE OF TIRE(S) PROVIDED.

Instructions: Enter the applicable Reply Code from the table below. (e.g., ALREDBZ*)

REPLY CODE	REPLY (AH67)
BW	HOLLOW CORED, CROWNED TREAD
BX	ROUND PERFORATED, CROWNED TREAD
BY	ROUND SOLID, CROWNED TREAD
BZ	SOLID, CROWNED CUSHION TREAD
CA	SOLID, FLAT CUSHION TREAD

APP Key	MRC	Mode Code	Requirements
		CB	SOLID, FLAT TREAD

ALL* (See Note Preceding MRC CHSP)

AAGC D TREAD PATTERN

Definition: THE DESIGN MOLDED INTO THE TIRE TREAD RUBBER TO PROVIDE TRACTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAGCDAU*)

REPLY CODE	REPLY (AA30)
AX	DIRECTIONAL TREAD
AU	GROOVED TREAD
AY	NONDIRECTIONAL TREAD
AZ	REGULAR NONSKID TREAD
AS	SMOOTH TREAD

ALL* (See Note Preceding MRC CHSP)

AJXE A SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size.

(e.g., AJXEA12 BY 4-1/8*)

ALL* (See Note Preceding MRC CHSP)

CHSQ D TIRE ARRANGEMENT CHARACTERISTIC

Definition: THE CHARACTERISTIC ARRANGEMENT OF THE TIRE(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHSQDAD*)

REPLY CODE	REPLY (AH86)
AD	DUAL
AC	SINGLE

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC CHSP)

CHSR A TIRE SIZE FOR WHICH DESIGNED

Definition: DESIGNATES THE TIRE SIZE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the size. (e.g., CHSRA21 BY 6*)

ALL

CFJH D HUB CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFJHDAAX*)

REPLY CODE	REPLY (AJ88)
AAX	DEMOUNTABLE
AAY	INTEGRAL

NOTE FOR MRCS ASBL, CXQW, CFRY, AND AWJQ: IF REPLY CODE AAX IS ENTERED FOR MRC CFJH, REPLY TO MRC ASBL. IF REPLY CODE AAY IS ENTERED FOR MRC CFJH, REPLY TO MRC CXQW, HUB STYLE DIMENSIONS, AND MRCS CFRY AND AWJQ.

ALL* (See Note Above)

ASBL D HUB

Definition: AN INDICATION OF WHETHER OR NOT A HUB IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBLDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS CXQW, CFRY, AWJQ, AHEG, ABTJ, ABTB, AFFL, AND CHSS: IF REPLY CODE B IS ENTERED FOR MRC ASBL, REPLY TO MRCS CXQW, CFRY, AND AWJQ. IF REPLY CODE C IS ENTERED FOR MRC ASBL, REPLY TO MRCS AHEG, ABTJ, ABTB, AFFL, AND CHSS.

ALL* (See Notes Above and Preceding MRC ASBL)

CXQW L HUB STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HUB.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group B. (e.g., CXQWL5*)

ALL* (See Notes Preceding MRCs ASBL and CXQW)

CFRY D LUBRICATION FITTING

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICATION FITTING(S) IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFRYDC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL* (See Notes Preceding MRCs ASBL and CXQW)

AWJQ D BEARINGS

Definition: AN INDICATION OF WHETHER OR NOT BEARINGS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWJQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS BDDY, BYDT, BDFN, AND ADUV: IF REPLY CODE B IS ENTERED FOR MRC AWJQ, REPLY TO MRCS BDDY, BYDT, BDFN, AND ADUV. IF TWO OR MORE DIFFERENT BEARINGS, USE AND ($$) CODING, ENTERING SMALLEST SIZE FIRST.

ALL* (See Note Above)

BDDY A BEARING QUANTITY

Definition: THE NUMBER OF BEARING(S) PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BDDYA2*;

BDDYA1$$A2*)

ALL* (See Note Preceding MRC BDDY)

BYDT D BEARING TYPE

Definition: INDICATES THE TYPE OF BEARING(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. Enter in the same sequence as MRC BDDY. (e.g., BYDTDAJ*;

BYDTDAE$$DAJ*)

ALL* (See Note Preceding MRC BDDY)

BDFN J BEARING INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BEARING, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC BDDY. (e.g., BDFNJLA2.5*; BDFNJAB0.620$$JAC0.630*;

BDFNJAA0.500$$JAB0.625$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BDDY)

ADUV J BEARING SURFACE WIDTH

Definition: A MEASUREMENT TAKEN ACROSS THE BEARING SURFACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC BDDY. (e.g., ADUVJAA0.688*; ADUVJLA2.5*; ADUVJAB0.684$$JAC0.692*;

ADUVJAA0.625$$JAB0.688$$JAC0.692*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CXQW)

AHEG J PILOT HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PILOT HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHEGJAA4.750*; AHEGJLA15.8*; AHEGJAB4.725$$JAC4.775*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CXQW)

ABTJ A MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA6*)

ALL* (See Note Preceding MRC CXQW)

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.625*; ABTBJLA5.5*; ABTBJAB0.620$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC CXQW)

AFFL J MOUNTING BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFFLJAA6.500*; AFFLJLA20.0*; AFFLJAB5.400$$JAC6.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC CXQW)

CHSS J OFFSET DISTANCE FROM RIM CENTERLINE TO OUTSIDE OF WHEEL MOUNTING

Definition: THE OFFSET DISTANCE FROM THE CENTERLINE OF THE RIM TO OUTSIDE OF WHEEL MOUNTING.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHSSJAA1.250*; AHSSJLA18.2*; AHSSJAB1.240$$JAC1.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL

CFHW D HUB CAP MOUNTING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A HUB CAP MOUNTING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHWDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS ABTC AND CFHX: IF REPLY CODE B IS ENTERED FOR MRC CFHW, REPLY TO MRCS ABTC AND CFHX.

ALL* (See Note Above)

ABTC J MOUNTING FEATURE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING FEATURE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTCJAA8.840*; ABTCJLA25.0*; ABTCJAB8.820$$JAC8.860*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABTC)

CFHX D HUB CAP

Definition: AN INDICATION OF WHETHER OR NOT A HUB CAP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFHXDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: U

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17960*)

ALL			
	ALDK	J	LOAD CAPACITY

Definition: THE WEIGHT THE ITEM CAN ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALDKJPA1500.0*; ALDKJKA750.0*; ALDKJPB1450.0$$JPC1550.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ALDKKN*)

Table 1

REPLY CODE	REPLY (AB10)
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDEKA*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AK54)
EKQ	SOLID CAST
EJZ	SPOKE
EKA	STAMPED DISK

NOTE FOR MRCS AWKJ, CNJG, CNJH, AND CNJJ: IF REPLY CODE EJZ IS ENTERED FOR MRC APGF, REPLY TO MRCS AWKJ, CNJG, CNJH, AND CNJJ, AS APPLICABLE.

ALL* (See Note Above)

AWKJ A SPOKE QUANTITY

Definition: THE NUMBER OF SPOKES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AWKJA32*)

ALL* (See Note Preceding MRC AWKJ)

CNJG J SPOKE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SPOKE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACNJGJAA0.875*; CNJGJLA3.5*; CNJGJAB0.865$$JAC0.885*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AWKJ)

CNJH J SPOKE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A SPOKE, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJHJAA0.625*; CNJHJLA3.5*; CNJHJAB0.615$$JAC0.630*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AWKJ)

CNJJ J SPOKE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A SPOKE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNJJJAA0.500*; CNJJJ4.5*; CNJJJAB0.490$$JAC0.510*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDST0000$$DSTB000*; MATLDST0000$DSTB000*)

ALL

AJUP L RIM STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE RIM.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., AJUPL1*)

ALL

CHST J RIM OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE OF THE RIM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHSTJLA24.0*; CHSTJAB6.054$$JAC6.144*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

CXQW L HUB STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HUB.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group B. (e.g., CXQWL3*)

APP Key	MRC	Mode Code	Requirements
ALL			
	CFRY	D	LUBRICATION FITTING

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICATION FITTING(S) IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFRYDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL

AWJQ	D	BEARINGS

Definition: AN INDICATION OF WHETHER OR NOT BEARINGS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWJQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BDDY, BYDT, BDFN, AND ADUV: IF REPLY CODE B IS ENTERED FOR MRC AWJQ, REPLY TO MRCS BDDY, BYDT, BDFN, AND ADUV. IF TWO OR MORE DIFFERENT BEARINGS, USE AND ($$) CODING, ENTERING SMALLEST SIZE FIRST.

ALL* (See Note Above)

BDDY	A	BEARING QUANTITY

Definition: THE NUMBER OF BEARING(S) PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BDDYA1*;

BDDYA1$$A2*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC BDDY)

BYDT D BEARING TYPE

Definition: INDICATES THE TYPE OF BEARING(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. Enter in the same sequence as MRC BDDY. (e.g., BYDTDAQ*;

BYDTDAE$$DAJ*)

ALL* (See Note Preceding MRC BDDY)

BDFN J BEARING INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BEARING, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC BDDY. (e.g., BDFNJAA0.750*; BDFNJLA12.0*; BDFNJAB0.740$$JAC0.760*;

BDFNJAA0.500$$JAB0.750$$JAC0.760*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BDDY)

ADUV J BEARING SURFACE WIDTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT TAKEN ACROSS THE BEARING SURFACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter in the same sequence as MRC BDDY. (e.g., ADUVJAA0.844*; ADUVJLA6.5*; ADUVJAB0.834$$JAC0.854*;

ADUVJAA0.750$$JAB0.844$$JAC0.854*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: V

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED26181*)

ALL			
	ALDK	J	LOAD CAPACITY

Definition: THE WEIGHT THE ITEM CAN ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALDKJPA150.0*; ALDKJKA75.0*; ALDKJPB140.0$$JPC160.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ALDKKN*)

Table 1

REPLY CODE	REPLY (AB10)
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDRCC000*; MATLDKMD000$$DRCAZ00*; MATLDKMD000$DRCAZ00*)

APP Key	MRC	Mode Code	Requirements
ALL			
	ABKV	J	OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA6.000*; ABKVJLA18.0*; ABKVJAB5.980$$JAC6.020*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.563*; ABMKJLA5.6*; ABMKJAB1.550$$JAC1.575*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

VA

CCBH J TREAD WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE TREAD, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CCBHJAA1.375*; CCBHJLA10.5*; CCBHJAB1.365$$JAC1.385*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

VA

CHSW D SOFT TREAD FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SOFT TREAD FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHSWDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

VA

AAGC D TREAD PATTERN

APP Key	MRC	Mode Code	Requirements

Definition: THE DESIGN MOLDED INTO THE TIRE TREAD RUBBER TO PROVIDE TRACTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAGCDAZ*)

REPLY CODE	REPLY (AA30)
BA	DIRECTIONAL RIBBED TREAD
AU	GROOVED TREAD
AZ	REGULAR NONSKID TREAD
AS	SMOOTH TREAD

ALL

CXQW L HUB STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE HUB.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group B. (e.g., CXQWL3*)

ALL

AWJQ D BEARINGS

Definition: AN INDICATION OF WHETHER OR NOT BEARINGS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWJQDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BDDY AND BYDT: IF REPLY CODE B IS ENTERED FOR MRC AWJQ, REPLY TO MRCS BDDY AND BYDT.

ALL* (See Note Above)

BDDY A BEARING QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF BEARING(S) PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BDDYA1*)

ALL* (See Note Preceding MRC BDDY)

BYDT D BEARING TYPE

Definition: INDICATES THE TYPE OF BEARING(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BYDTDAJ*)

ALL

CFRY D LUBRICATION FITTING

Definition: AN INDICATION OF WHETHER OR NOT A LUBRICATION FITTING(S) IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CFRYDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 9, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

	ENAC	D	ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDG4*)

REPLY CODE	REPLY (EN02)
G4	COMPREHENSIVE PROCUREMENT GUIDELINE - VEHICULAR PRODUCTS - REBUILT VEHICULAR PARTS

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL			
	CBME	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCF1.0219*; CBMEJCM0.5*)

REPLY CODE	REPLY (AN76)
CF	CUBIC FEET
CM	CUBIC METERS

ALL			
	SUPP	G	SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL			
	ZZZV	G	FSC APPLICATION DATA

APP Key	MRC	Mode Code	Requirements

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGBEARINGS,ANTIFRICTION,UNMOUNTED*)

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Reply Tables

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL1667 #	ALUMINUM ALLOY, DIN 1725/1, 3.2315 ALMGSI1
AL2414 #	ALUMINUM ALLOY, LW, 3.3214 ALMGSICU
A	ANY ACCEPTABLE
BR0000	BRASS
BN0000	BRONZE
FBAAQ0	FIBER COMPOSITION
FE0000	IRON
	Iron, Case (use Reply Code FE0000)
	Iron, Malleable (use Reply Code FE0000)
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
NFT000	NICKEL STEEL
PC0000	PLASTIC
PC2985	PLASTIC, POLYETHYLENE, UHMW 819, RYERSON AND SON INC
PL0000	POLYAMIDE NYLON
RC0000	RUBBER
	Rubber, Composition (use Reply Code RC0000)
RCAZ00	RUBBER, HARD
RCB000	RUBBER, NATURAL
	Rubber, Synthetic (use Reply Code RC0000)
ST0000	STEEL
ST6405	STEEL, AISI B1112
ST8094	STEEL, AISI C1010
ST6004	STEEL, AISI C1018
ST8097	STEEL, AISI C1019
ST8089	STEEL, AISI C1020
ST3138	STEEL, AISI C1212
ST6352	STEEL, AISI 1022
ST6353	STEEL, AISI 1023
ST6357	STEEL, AISI 1030
ST6366	STEEL, AISI 1040
ST6371	STEEL, AISI 1045
ST6416	STEEL, AISI 1144
ST6000	STEEL, AISI 4130
ST6001	STEEL, AISI 4140
ST6463	STEEL, AISI 4340
ST6002	STEEL, AISI 4620
ST2498	STEEL, ASTM A108, GRADE B1112
STB809	STEEL, ASTM A148
	Steel, Carbon (use Reply Code ST0000)
STB000	STEEL, CORROSION RESISTING

REPLY CODE	REPLY (AD09)
ST2024	STEEL, FED STD 66, AISI B1111
ST1641	STEEL, MIL-S-7720, COMP 303S
ST3763	STEEL, MIL-S-8690, COMP 8620
ST3190	STEEL, MIL-S-11415, CLASS B2-CANCELED
ST1718	STEEL, QQ-S-624-CANCELED
STB151	STEEL, QQ-S-624, COMP 9262H-CANCELED
STA506	STEEL, QQ-S-624, FS4150H-CANCELED
ST3376	STEEL, QQ-S-624, FS8660-CANCELED
ST3377	STEEL, QQ-S-624, FS8660H-CANCELED
ST6012	STEEL, QQ-S-624, FS8720-CANCELED
STA618	STEEL, QQ-S-624, FS9262-CANCELED
ST6013	STEEL, QQ-S-624A, NO. 86174, HOT ROLLED-CANCELED
ST8509	STEEL, QQ-S-629, FS4140-CANCELED
ST8511	STEEL, QQ-S-629, FS8740-CANCELED
ST0963	STEEL, QQ-S-633, COMP C1010-CANCELED
ST6014	STEEL, QQ-S-633, COMP C1040, HR-CANCELED
STA269	STEEL, QQ-S-633, C1045-CANCELED
ST9518	STEEL, QQ-S-633, FS 1025-CANCELED
ST2568	STEEL, QQ-S-633, FS1018-CANCELED
ST9709	STEEL, QQ-S-633, FS1030-CANCELED
ST9706	STEEL, QQ-S-633, FS1035-CANCELED
ST2900	STEEL, QQ-S-633, FS1040-CANCELED
STC031	STEEL, QQ-S-634, COMP 1045, COND CF-CANCELED
STA359	STEEL, QQ-S-698, HOT ROLLED
ST8410	STEEL, QQ-T-00825, COMP 4130-CANCELED
ST8412	STEEL, QQ-T-00825, COMP 8630-CANCELED
STC882	STEEL, RP4, FIRESTONE TIRE AND RUBBER CO
ST6559	STEEL, SAE 1010
ST6023	STEEL, SAE 1018, GRADE M
ST6015	STEEL, SAE 1020
ST6567	STEEL, SAE 1023
ST6573	STEEL, SAE 1035
ST6017	STEEL, SAE 1040
ST6016	STEEL, SAE 1040, TYPE CR
ST6018	STEEL, SAE 1045
ST6605	STEEL, SAE 1112
ST6024	STEEL, SAE 2315
ST6645	STEEL, SAE 4140
ST6659	STEEL, SAE 4340
ST6019	STEEL, SAE 4615
ST6020	STEEL, SAE 4815
ST6021	STEEL, SAE 4820
ST6709	STEEL, SAE 8620
ST6022	STEEL, SAE 8620H
TT0000	TITANIUM ALLOY
WD0000	WOOD

Table 2 - TIRE DESIGNS

TIRE DESIGNS

REPLY CODE	REPLY (AK54)
A	ANY ACCEPTABLE
DZC	CHANNEL CONTOUR
DZD	EXTRA HIGH PRESSURE
DZE	EXTRA LOW PRESSURE
AKR	HIGH PRESSURE
DZF	HIGH SPEED
AKW	LOW PRESSURE
DZG	LOW PROFILE
DZH	MOLDED SOLID
DZJ	SMOOTH CONTOUR
DZK	STREAMLINE
DZL	TUBELESS

Table 3 - BEARING TYPES

BEARING TYPES

REPLY CODE	REPLY (AH96)
A	ANY ACCEPTABLE
AE	BALL
AS	OIL IMPREGNATED BRONZE
AB	PLAIN
AR	PLAIN, SELF-LUBRICATED
AT	PLAIN SLEEVE
AJ	ROLLER
BG	SEALED ROLLER
AW	SELF-LUBRICATING POROUS BRONZE FLANGED
AK	SLEEVE
AX	STANDARD ROLLER
AY	STRAIGHT ROLLER
AQ	TAPERED ROLLER

Table 4 - SURFACE TREATMENTS

SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
CD0000	CADMIUM
	Galvanized (use Reply Code ZN0000)
PN0000	PAINTED
PHH000	PHOSPHATE COATED
	Zinc Coated (use Reply Code ZN0000)
	Zinc Plated (use Reply Code ZN0000)
ZN0000	ZINC

Table 5 - SCREW THREAD SERIES DESIGNATORS

SCREW THREAD SERIES DESIGNATORS

REPLY CODE	REPLY (AH06)
AM	ACME
SM	ISO M
SS	ISO S
	Nonstandard (use Reply Code NS)
NP	NPT
SW	SAE
UN	UN
NC	UNC
NE	UNEF
NF	UNF
NS	UNS

Table 6 - TIRE SIZES

TIRE SIZES

REPLY CODE	REPLY (AA27)
ABHS	27
AAFN	1.75-20
ABBM	3.50-6
ACKD	4 X 9
AAAF	5.00-4
AAAK	5.00-5
ACEB	5.30-12
AANK	6 X 4
AAAP	6.00-6
ACKF	6.50 X 6
AANL	6.50-8
AABJ	6.50-10
AANM	7 X 8
AANN	7.50-4
AABK	7.50-10
AACJ	7.50-14
AANP	8 INCH
ACKG	8 X 1.375 X 3.625
ACKH	8.00 X 3
AANQ	8.50-10
AANR	9 X 6
AAEB	9.50 X 16
AANS	9.50-4.75
AANT	10 INCH
AALQ	10 X 3.00
AANW	10 X 7

REPLY CODE	REPLY (AA27)
AANX	11.00-10
AABZ	11.00-12
AAAB	12 X 5-3
AANY	12.50 INCH
AANZ	12.50-4-1/2
AAEG	12.50-16
AAPA	14.50 INCH
AAEJ	15.00-16
AALY	16 X 4.4
AAPB	16 X 5.80-11.50
AAPC	17 X 16
AAPD	17.00-20
AABM	17.50 X 6.25-11
AAMB	18 X 4.4
ACJZ	18 X 4.4 X 16
AAMC	18 X 5.5
AAPE	18 X 6.5-8
AAPF	19.00-23
AAMD	20 X 4.4
AAPG	20 X 20
AAMF	22 X 5.5
AAPH	22 X 6.6
AAPJ	22 X 6.6-10
AAPK	22 X 7.7-12
AABN	22 X 7.25-11.50
ABAR	22 X 8.5-11
AAPL	22 X 9.00-6
AAMH	24 X 5.5
AAMG	24 X 7.7
ACDF	24 X 8.00-13
ACKA	24 X 10.00-7
AAMJ	25 X 6.0
AAPM	25 X 28
AAML	26 X 6
AAMM	26 X 6.6
AAPN	26 X 8.0
AACS	26 X 8.0-14
AAMN	28 X 7.7
ACGU	28 X 9.00-12
ABBD	28 X 9.0-14
AAMP	29 X 7.7
AAVD	29 X 11-10
AAPP	30 X 7
AAMQ	30 X 7.7
AAMR	30 X 8.8
ACDP	30 X 11.5-14.5
AAPQ	31 X 11.50
AAEF	31 X 11.50-16

REPLY CODE	REPLY (AA27)
AAPR	32 X 6.6
AAMT	32 X 8.8
ACKB	32 X 8.8-16
AAPS	33 INCH
AAMW	34 X 9.9
ACKC	34.5 X 9.75
AAPT	36 INCH
AAMY	36 X 11
AAMZ	38 X 11
AANB	40 X 12
ACKE	40 X 12-18
AANC	40 X 14
AAPW	44 INCH
AAND	44 X 13
AANE	44 X 16
AAPX	47 X 18-18
AANH	49 X 17
AAPY	56 INCH
AANJ	56 X 16

Table 7 - STEERING GEARS
STEERING GEARS

REPLY CODE	REPLY (AK54)
EAZ	BALL BEARING SCREW, NUT-SECTOR
EBB	CAM-SINGLE LEVER SLIDING STUD
EBA	CAM-SINGLE ROLLER MOUNTED STUD
EBC	CAM-TWIN LEVER ROLLER MOUNTED STUD
EBD	CAM-TWIN LEVER SLIDING STUD
BQX #	HYDRAULIC
FMC #	HYDRAULIC SPINDLE
FMD #	RACK AND PINION
FME #	SPINDLE NUT
EBE	WORM-DOUBLE ROLLER
FNQ	WORM-FIVE TOOTH SECTOR
FMF #	WORM-ROLLER
EBF	WORM-SECTOR PLATE
EBG	WORM-SIX TOOTH SECTOR
EBH	WORM-THREE TOOTH SECTOR
EBJ	WORM-TRIPLE ROLLER

Table 8 - MATERIAL TYPES
MATERIAL TYPES

REPLY CODE	REPLY (AN48)
AAAN	ALUMINUM

REPLY CODE	REPLY (AN48)
A	ANY ACCEPTABLE
AASY	BRONZE
AAWF	CAST IRON
AAXG	HARD RUBBER STEEL REINFORCED
AAXH	MAGNESIUM ALLOY
AALM	PLASTIC
AAXJ	PLASTIC STEEL REINFORCED
ABGJ	RUBBER, HARD
AAXK	RUBBER STEEL REINFORCED
AATY	STEEL
AAXL	STEEL REINFORCED
AAXM	SYNTHETIC RUBBER STEEL REINFORCED
AAXN	TENITE
AAXP	TENITE STEEL REINFORCED
AARU	WOOD

Table 9 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE

REPLY CODE	REPLY (AD08)
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM

REPLY CODE	REPLY (AD08)
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables
RIM CROSS-SECTIONAL STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.000*; ABMKJLA10.0*; ABMKJAB1.990$$JAC2.010*)

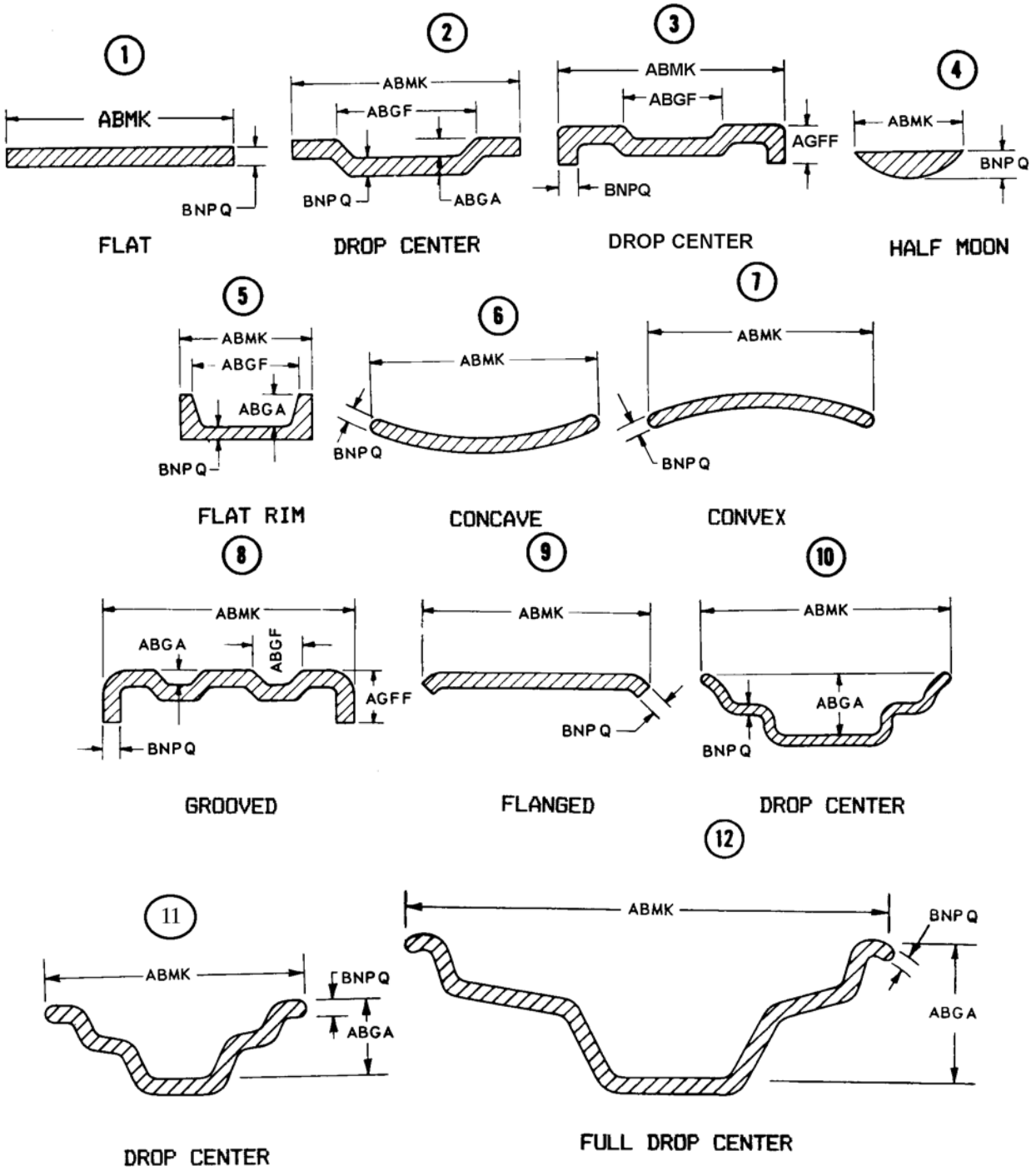
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

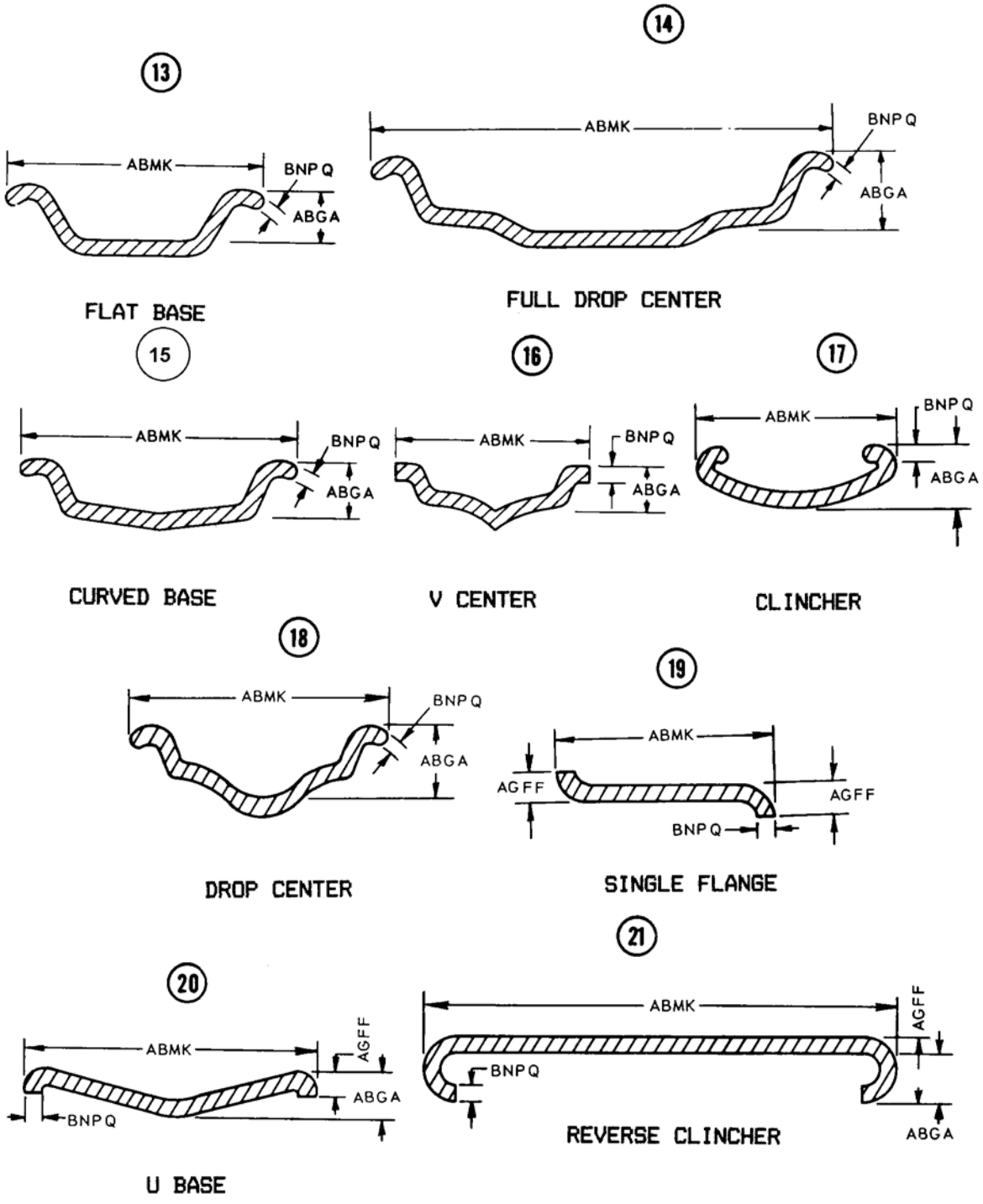
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
ABGA	J	GROOVE DEPTH
ABGF	J	GROOVE WIDTH
ABMK	J	OVERALL WIDTH
AEUA	J	EFFECTIVE WIDTH
AGFF	J	FLANGE WIDTH
BNPQ	J	METAL THICKNESS

REFERENCE DRAWING GROUP A

RIM CROSS-SECTIONAL STYLES

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ABGA
FLAT BASE
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ABMK
BNPQ
ABGA
FULL DROP CENTER
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ABMK
BNPQ
ABGA
CURVED BASE
16
ABMK
BNPQ
ABGA
V CENTER
17
ABMK
BNPQ
ABGA
CLINCHER
18
ABMK
BNPQ
ABGA
DROP CENTER
19
ABMK
AGFF
AGFF
BNPQ
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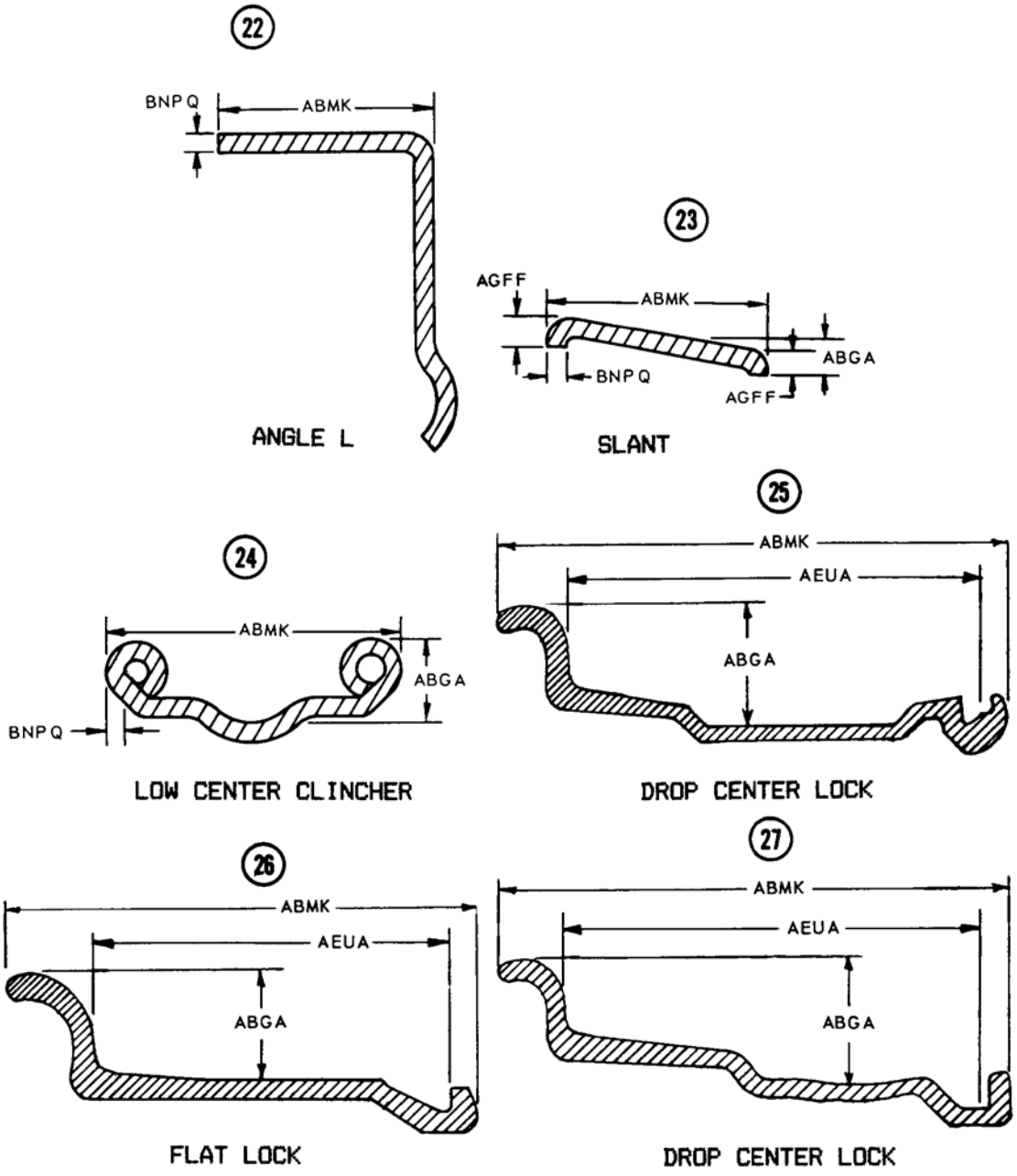
BNPQ
ABGA
REVERSE CLINCHER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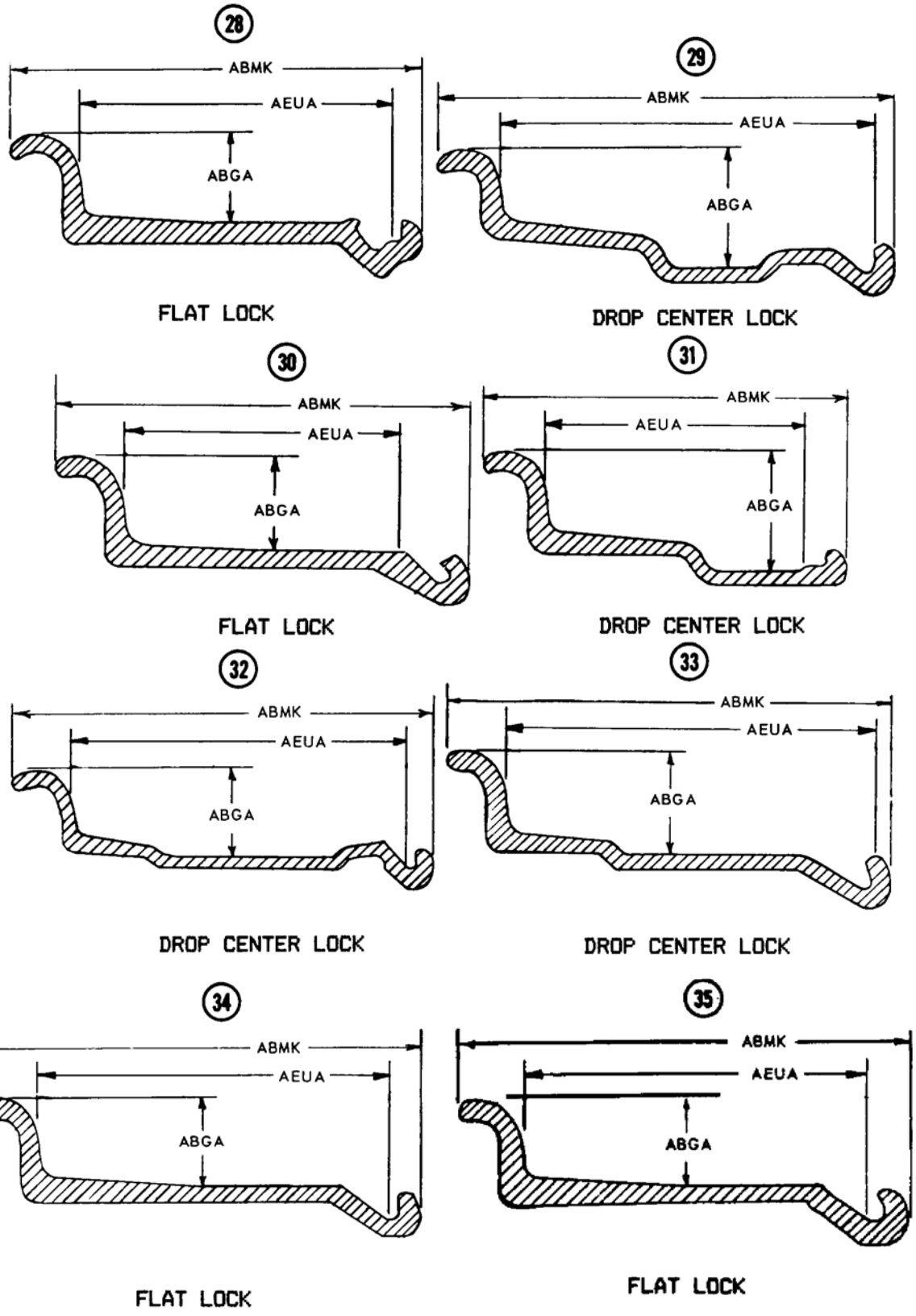
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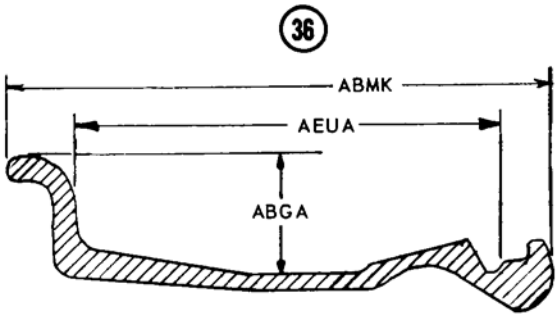

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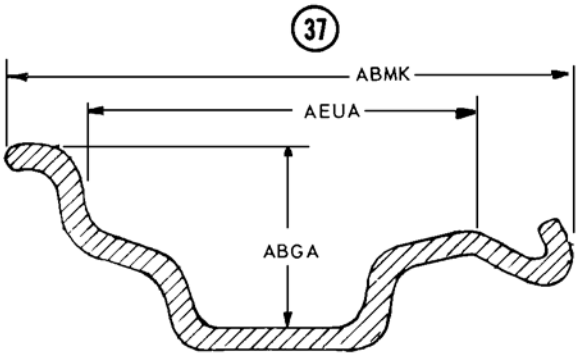

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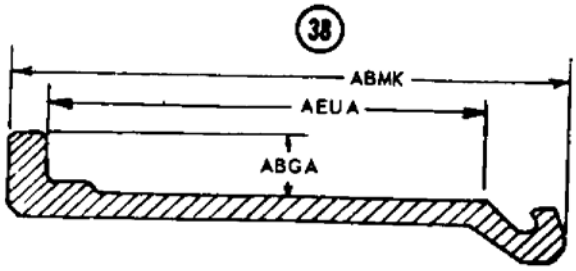

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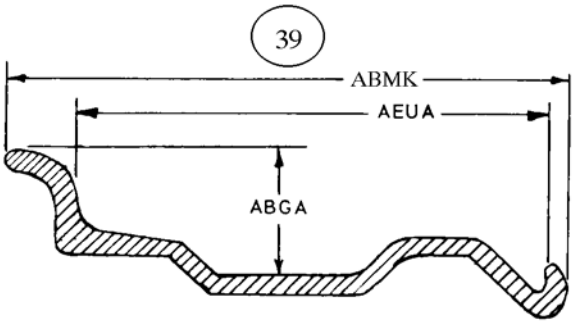

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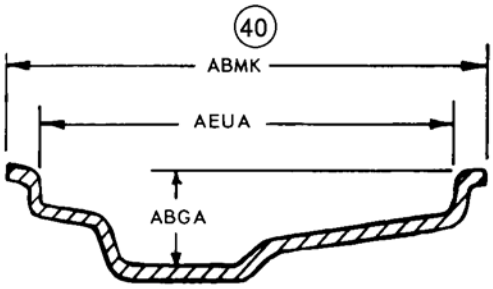

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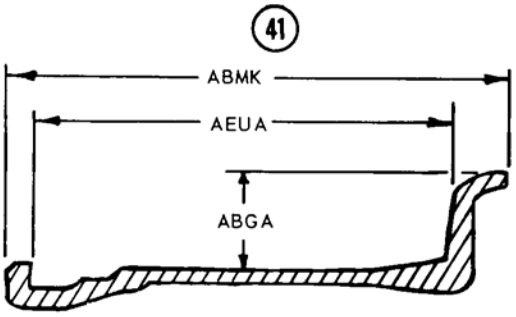

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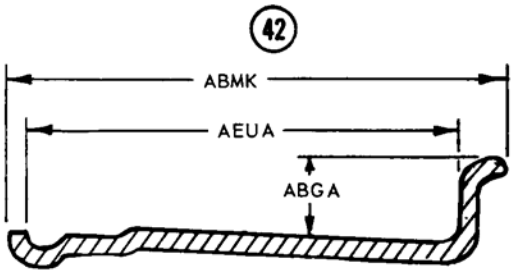

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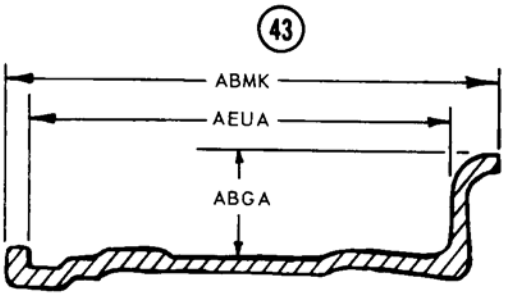


FLAT CENTER LOCK

REFERENCE DRAWING GROUP B Tables
HUB CROSS-SECTIONAL STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA2.000*; ABHPJAB1.990$$JAC2.010*)

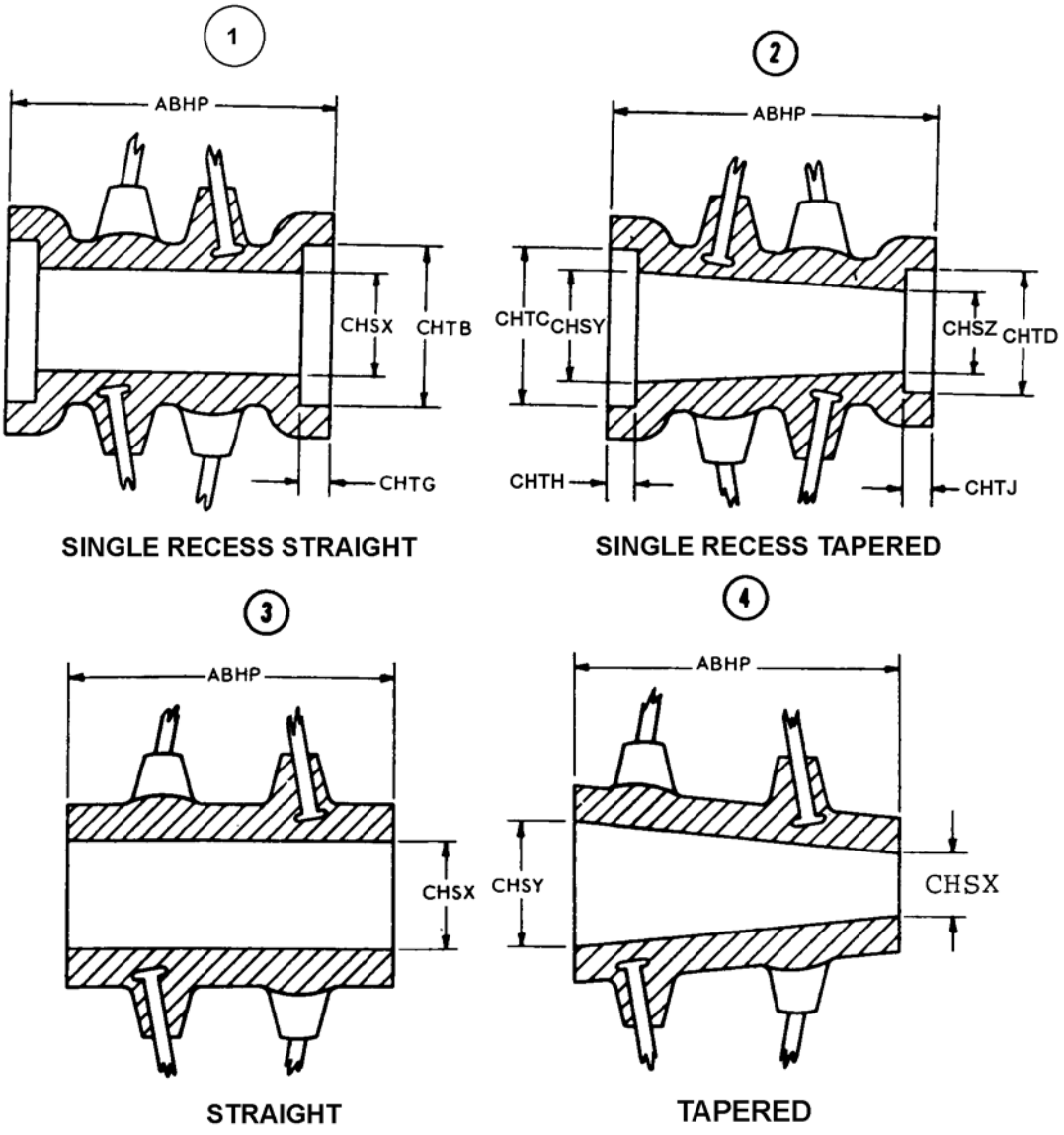
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

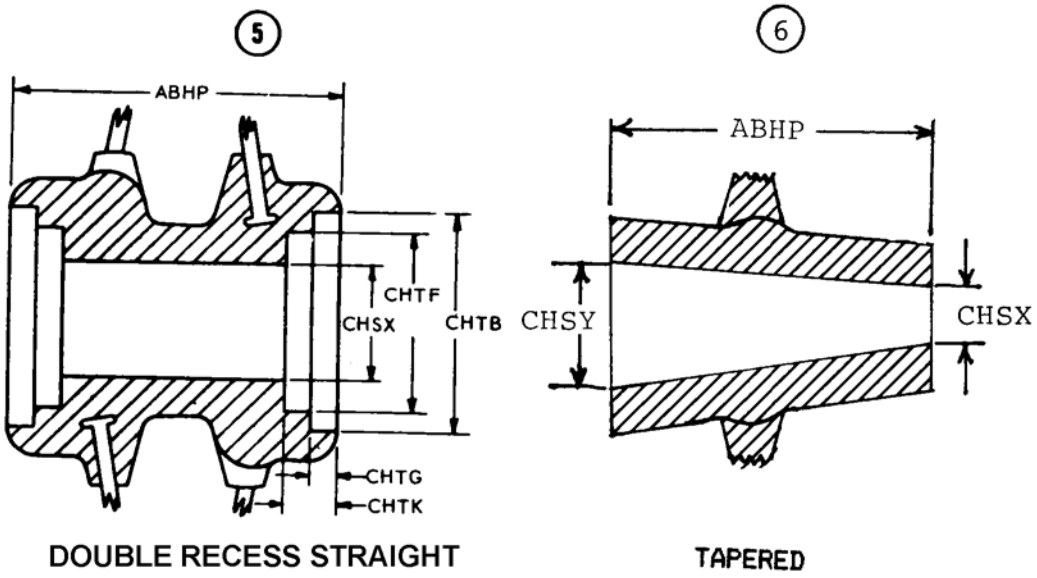
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
ABHP	J	OVERALL LENGTH
CHSX	J	AXLE RECESS DIAMETER
CHSY	J	AXLE RECESS MAJOR DIAMETER
CHSZ	J	AXLE RECESS MINOR DIAMETER
CHTB	J	SAND BAND RECESS DIAMETER
CHTC	J	SAND BAND RECESS MAJOR DIAMETER
CHTD	J	SAND BAND RECESS MINOR DIAMETER
CHTF	J	BEARING RECESS DIAMETER
CHTG	J	SAND BAND RECESS DEPTH
CHTH	J	MAJOR SAND BAND RECESS DEPTH
CHTJ	J	MINOR SAND BAND RECESS DEPTH
CHTK	J	BEARING RECESS DEPTH

REFERENCE DRAWING GROUP B

HUB CROSS-SECTIONAL STYLES

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CHTB
CHTG
CHTK
DOUBLE RECESS STRAIGHT
6
ABHP
CHSY
CHSX
TAPERED
7
ABHP
CHSX
STRAIGHT

REFERENCE DRAWING GROUP C Tables
LOCK RING STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.518*; ABKWJAB1.500$$JAC1.536*)

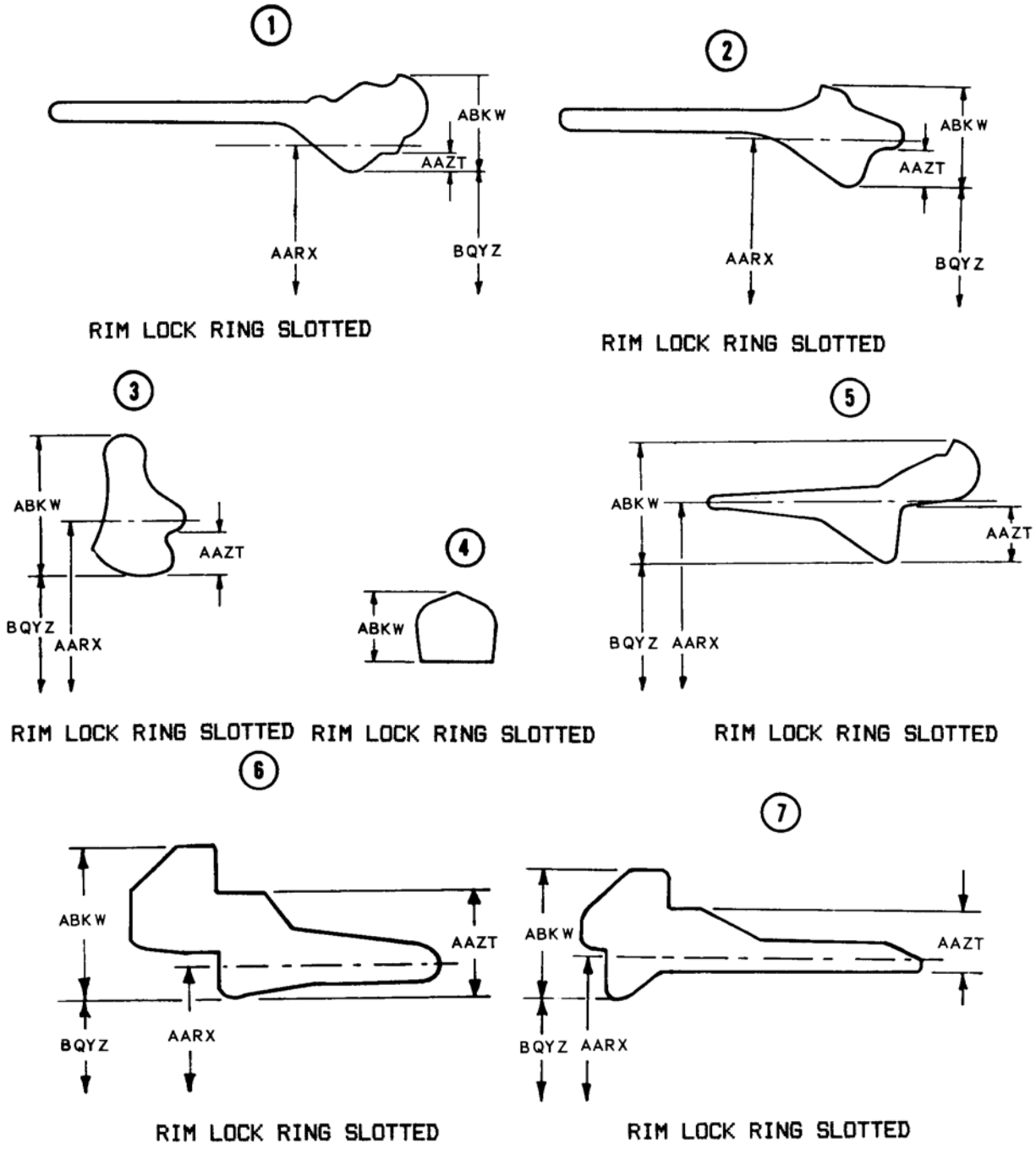
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

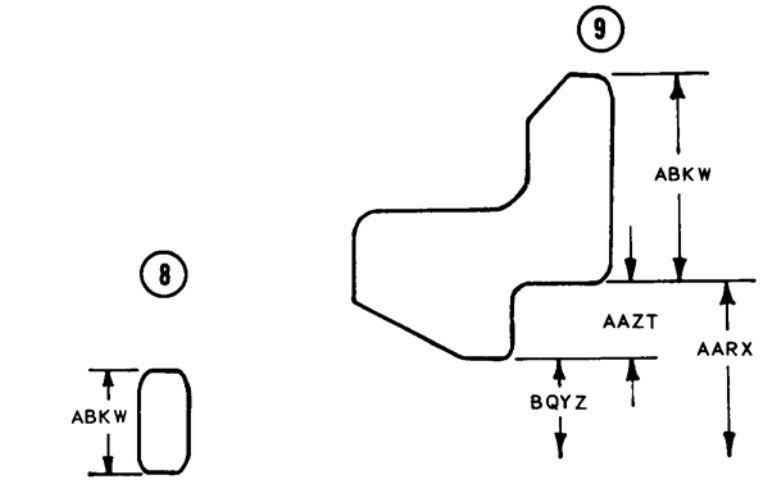
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
AARX	J	INSIDE DIAMETER
AAZT	J	SLOT DEPTH
ABKW	J	OVERALL HEIGHT
BQYZ	J	INSIDE CIRCUMFERENCE

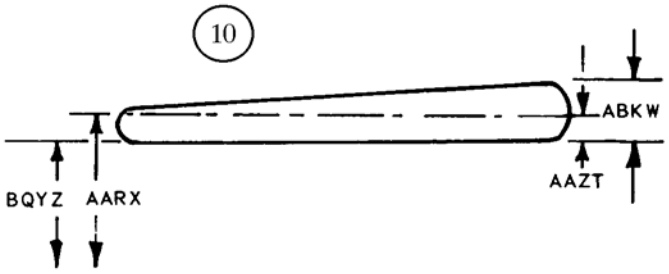
REFERENCE DRAWING GROUP C

LOCK RING STYLES





RIM LOCK RING SLOTTED RIM LOCK RING SLOTTED



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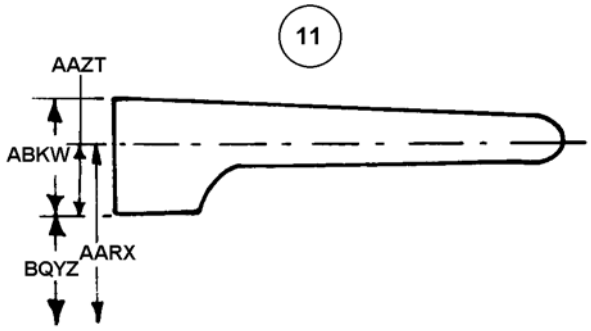


RIM LOCK RING SLOTTED

REFERENCE DRAWING GROUP D Tables
SIDE RING STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.518*; ABKWJAB1.500$$JAC1.536*)

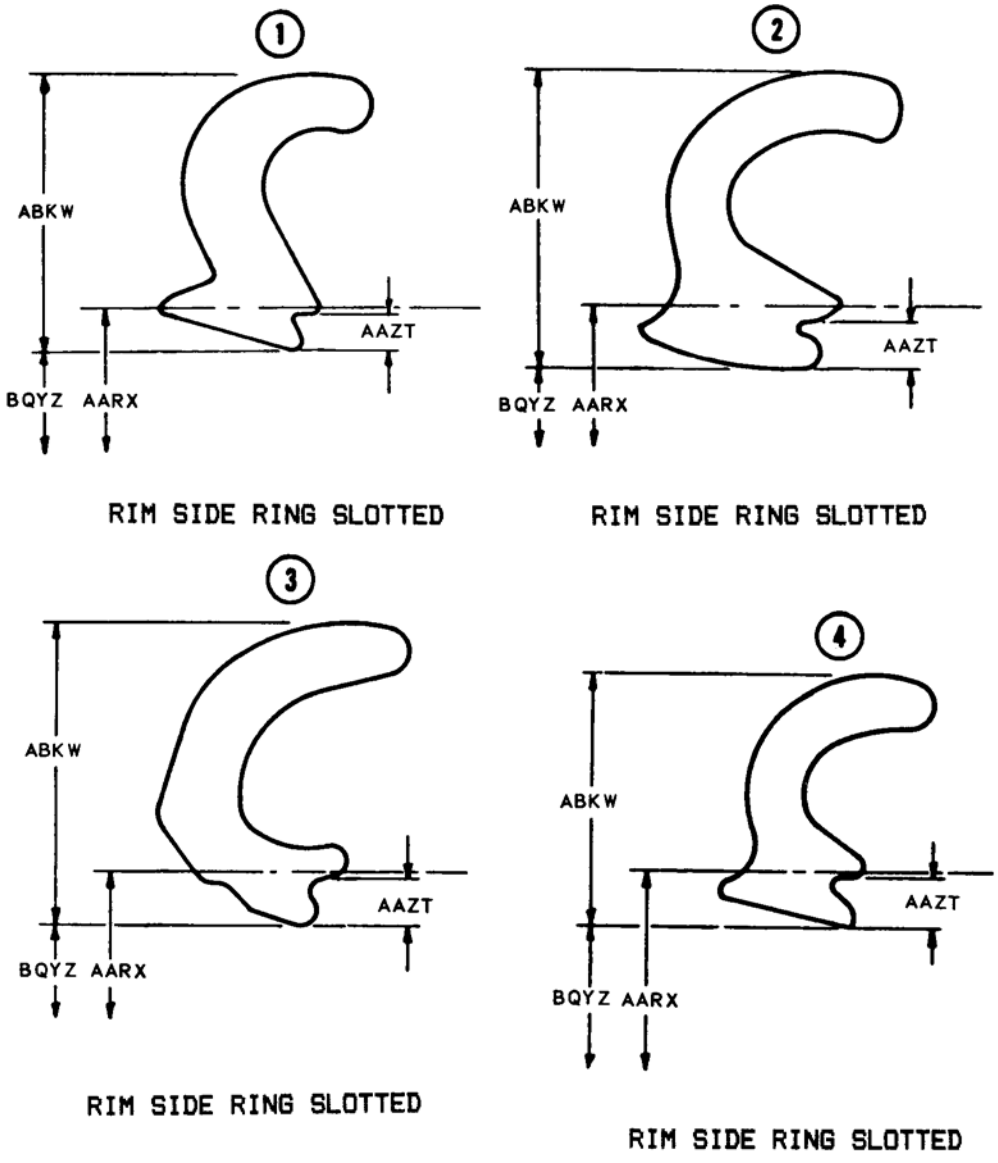
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

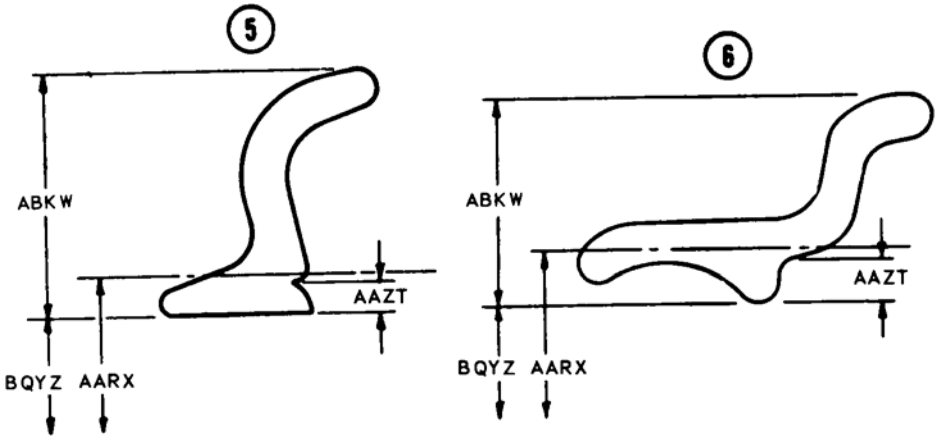
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
AARX	J	INSIDE DIAMETER
AAZT	J	SLOT DEPTH
ABKW	J	OVERALL HEIGHT
ABNM	J	THICKNESS
BQYZ	J	INSIDE CIRCUMFERENCE

REFERENCE DRAWING GROUP D

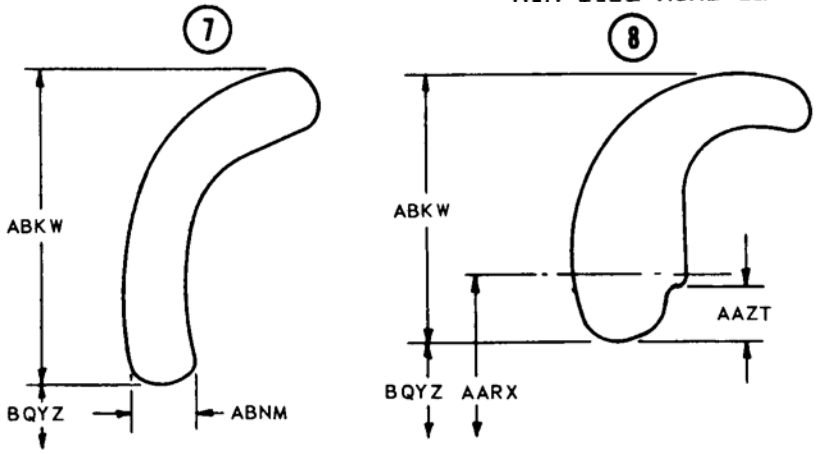
SIDE RING STYLES





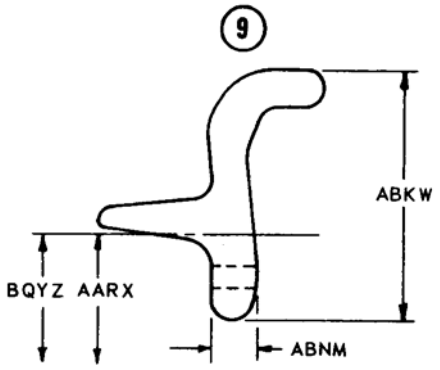
RIM SIDE RING SLOTTED

RIM SIDE RING SLOTTED

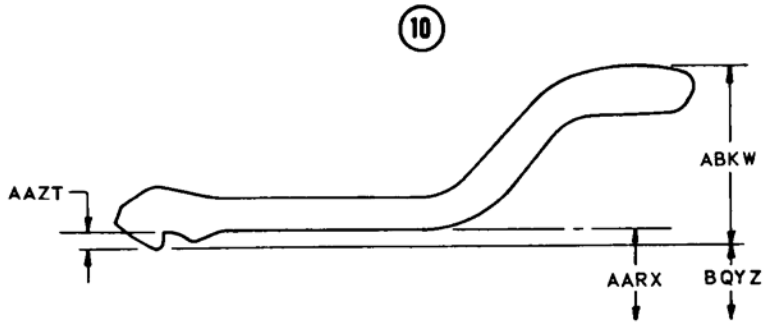


RIM SIDE RING SLOTTED

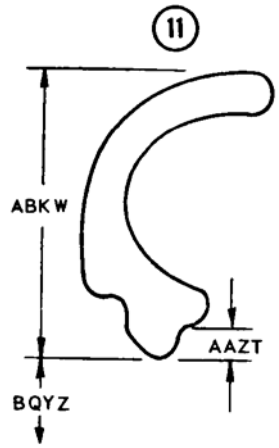
RIM SIDE RING SLOTTED



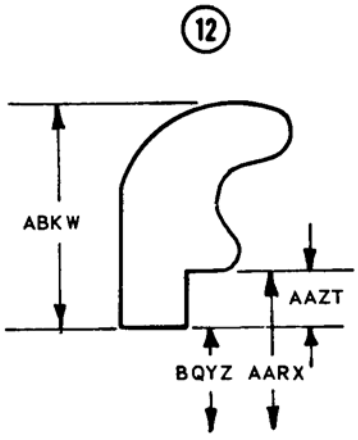
RIM SIDE RING KEY



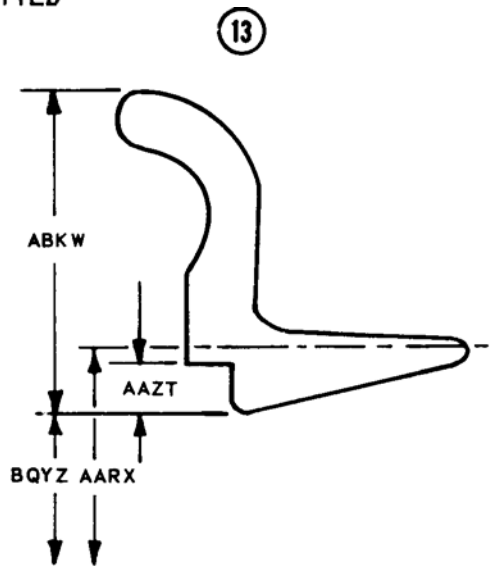
RIM SIDE RING SLOTTED



RIM SIDE RING SLOTTED



RIM SIDE RING SLOTTED



RIM SIDE KEY SLOTTED

REFERENCE DRAWING GROUP E Tables
SIDE AND LOCK RING STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.518*; ABKWJAB1.500$$JAC1.536*)

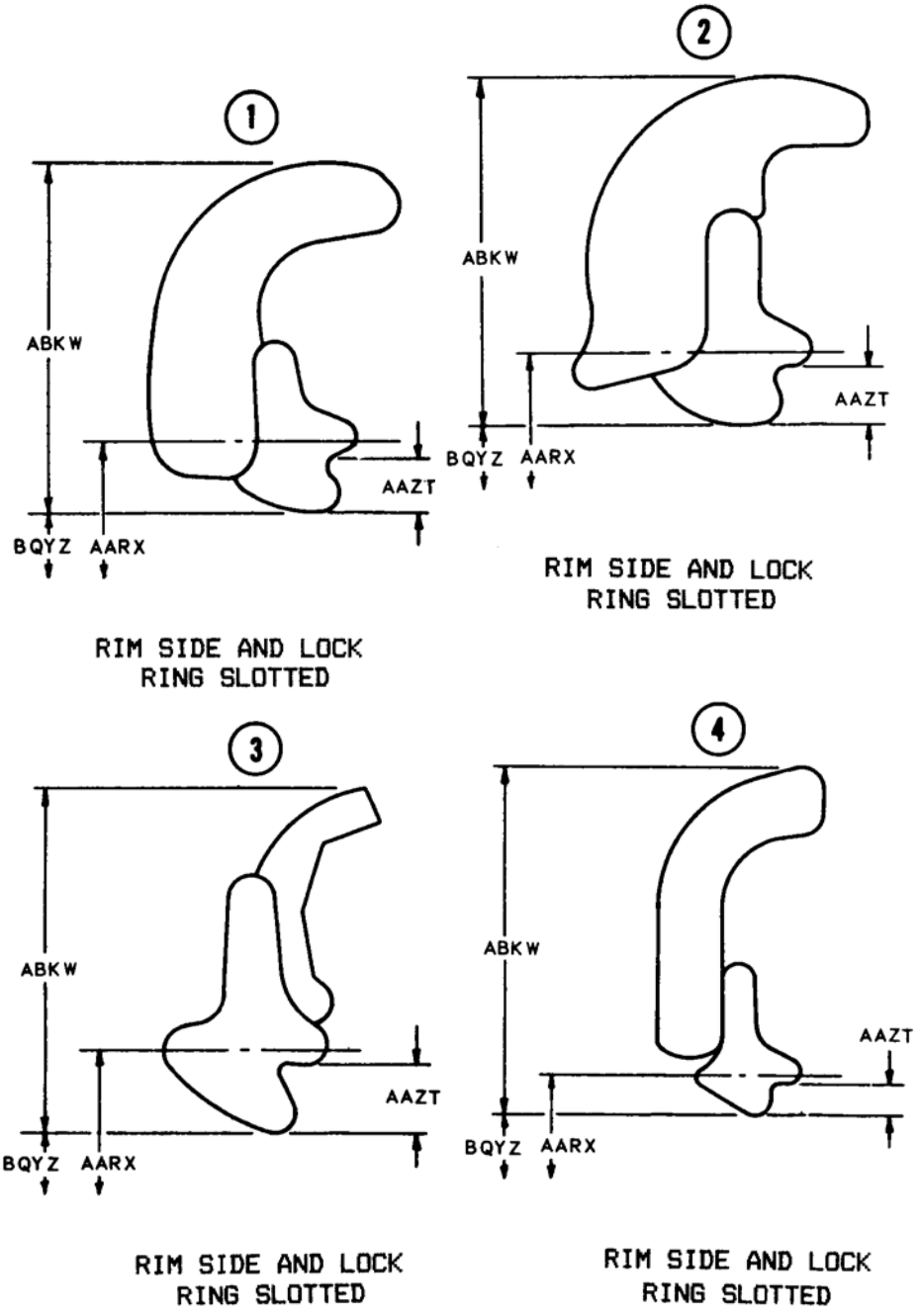
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

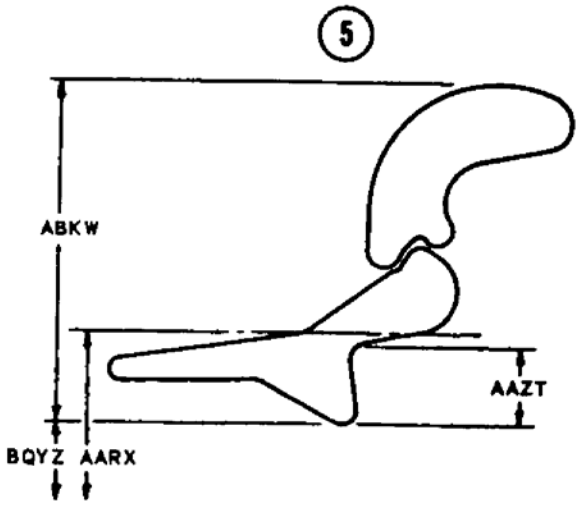
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
AARX	J	INSIDE DIAMETER
AAZT	J	SLOT DEPTH
ABKW	J	OVERALL HEIGHT
BQYZ	J	INSIDE CIRCUMFERENCE

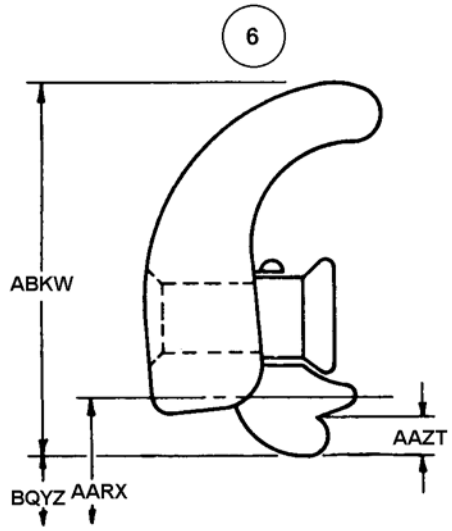
REFERENCE DRAWING GROUP E

SIDE AND LOCK RING STYLES

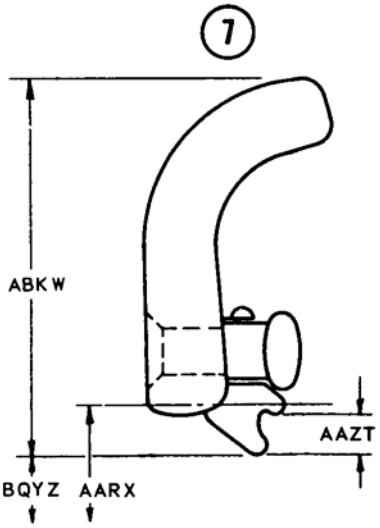




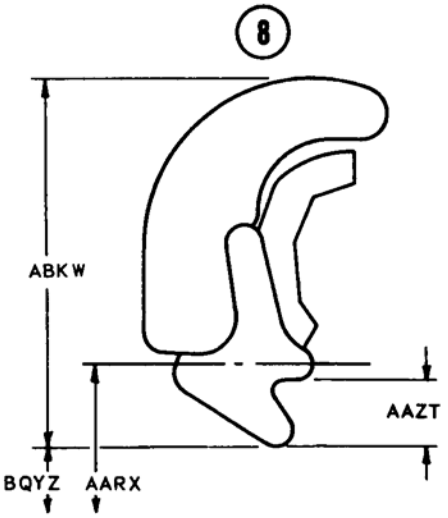
RIM SIDE AND LOCK
RING SLOTTED



RIM SIDE AND LOCK
RING SLOTTED



RIM SIDE AND LOCK
RING SLOTTED



RIM SIDE AND LOCK
RING SLOTTED

REFERENCE DRAWING GROUP F Tables
BEVEL RING STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQYZJAA13.000*; BQYZJAB12.950$$JAC13.050*)

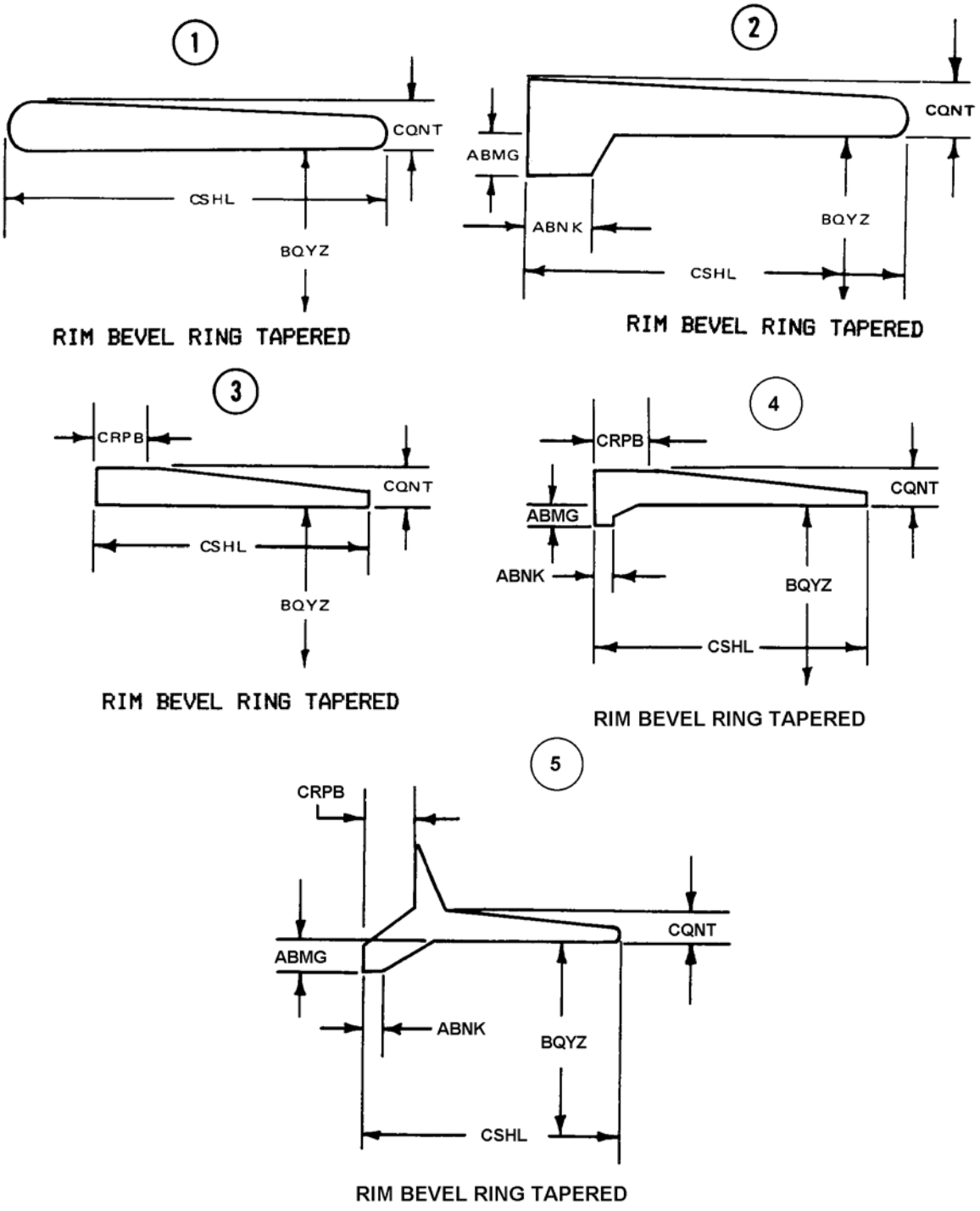
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
ABMG	J	SHOULDER HEIGHT
ABNK	J	SHOULDER WIDTH
BQYZ	J	INSIDE CIRCUMFERENCE
CQNT	J	RING SEAT HEIGHT
CRPB	J	RING BEARING SURFACE WIDTH
CSHL	J	RING WIDTH

REFERENCE DRAWING GROUP F

BEVEL RING STYLES



Technical Data Tables

Table 1
RIM/WHEEL DESIGN TYPE

DEMOUNTABLE RIM	-	A wheel in which the tire rim is removable
DIVIDED RIM	-	A tire rim which is designed for and may include an automotive wheel side ring. The rim must be divided on the flat.
DIVIDED WHEEL	-	A wheel having an integral tire rim which is split or divided approximately in the center. Each section may or may not be an integral part of the wheel disk.
INTERGRAL RIM	-	A wheel having a permanently attached tire rim. The tire rim may be designed for and may include an automotive wheel side ring. The rim is not divided on the flat.
SPIDER	-	A wheel without an integral rim, but has provisions at end of spokes for mounting the tire rim(s) directly to the spokes.

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective September 3, 2010

This change replaced with ISAC or and/or coding.